

PRESSURE CONTROL



Pressure Switches

- | | |
|----|--|
| 1 | ITA08
Small multi-purpose pressure switch
0.2~45bar |
| 2 | ITA08V
Small vacuum pressure switch
-0.5~-0.8bar |
| 3 | ITA08A
High current pressure switch
0.2~45bar |
| 4 | ITA10
Air compressor pressure switch
25~190psi |
| 5 | ITA10-L
Air compressor pressure switch
30~175psi |
| 6 | ITA17
Air compressor pressure switch
15~500psi |
| 7 | ITA18
Air compressor and pump pressure switch
1.0~16.0bar |
| 8 | ITA19
Air compressor and pump pressure switch
2.5~12.5bar |
| 9 | ITA10-W
Pump pressure switch
15~150psi |
| 10 | ITA16
Pump pressure switch
20~100psi |
| 11 | ITA17-W
Pump pressure switch
14~250psi |
| 12 | ITA20
Extended duty pressure switch
0.5~150psi |
| 13 | ITA20-H
Ultra duty pressure switch
10~400psi |
| 14 | ITA20-V
Vacuum pressure switch
1.1~22 in/Hg |
| 15 | ITA25
Steam pressure switch
0.2~9.0bar |
| 16 | ITA26
Steam pressure switch
0.2~10.0bar |
| 17 | ITA05
Miniature steam pressure switch
0.2~5bar |

Pressure Switches

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|----|--|
| 18 | ITA30
Air differential pressure switch
0.4~8.0mbar |
| 19 | ITA31
Air differential pressure switch
0.15~34 in W.C. |
| 20 | ITA32
Air differential pressure switch
20~5000Pa |
| 21 | ITA35
Air differential pressure switch
0.3~30mbar |
| 22 | ITA37
Liquid level pressure switch
2~60 in W.C. |
| 23 | ITA40-01
Air actuated pressure switch
0.25~15psi |
| 24 | ITA42
Water dispensers high and low pressure switch
H:1.5~2.5bar;L:0.1~0.2bar |
| 25 | ITA55
Pressure switch for refrigeration system
-0.5~42bar |
| 26 | ITA58
Pressure switch for refrigeration system
-0.2~32bar |
| 27 | ITA5D
Oil differential pressure switch for refrigeration system
0.5~6.0bar |
| 28 | ITAS-01
Miniature pressure & vacuum switch
-800~-10mbar,10~600mbar |
| 29 | ITAS-02
Miniature pressure & vacuum switch
-800~-5mbar,5~800mbar |
| 30 | ITAS-03
Miniature pressure & vacuum switch
-800~-15mbar,15~2500mbar |
| 31 | ITADS10 Series
Intelligent digital pressure switch
-100~1000kPa |
| 32 | ITADS63 Series
Intelligent digital display pressure switch
V:-101~10kPa,0~20bar |
| 33 | ITADS704
Electronic pressure switch
-1~0bar |

Pressure Switches

- | | |
|----|---|
| 34 | ITA701
High pressure switch (diaphragm)
1~50 bar, DIN72585 connection |
| 35 | ITA701A
High pressure switch (diaphragm)
1~50 bar, M3 screw terminal |
| 36 | ITA701B
High pressure switch (diaphragm)
1~50 bar, 6.4 mm plug type connection |
| 37 | ITA701C
High pressure switch (diaphragm)
1~50 bar, DIN EN 61076-2 - LFI connection |
| 38 | ITA702
High pressure switch (piston)
50~200 bar, DIN72585 connection |
| 39 | ITA702A
High pressure switch (piston)
50~200 bar, M3 screw terminal |
| 40 | ITA702B
High pressure switch (piston)
50~200 bar, 6.4 mm plug type connection |
| 41 | ITA702C
High pressure switch (piston)
50~200 bar, DIN EN 61076-2 - LFI connection |
| 42 | ITA703
High pressure switch (diaphragm)
1~50 bar, DIN 43650-A connection |
| 43 | ITA703A
High pressure switch (diaphragm)
1~50 bar, 6.4 mm plug type connection |
| 44 | ITA704
High pressure switch (piston)
50~200 bar, DIN 43650-A connection |
| 45 | ITA704A
High pressure switch (piston)
50~200 bar, 6.4 mm plug type connection |
| 46 | ITA705
High pressure switch (diaphragm)
1~20 bar, 6.4 mm plug type connection |
| 47 | ITA705A
High pressure switch (diaphragm)
1~20 bar, M3 screw terminal |
| 48 | ITA705B
High pressure switch (diaphragm)
1~20 bar, DIN72585 connection |
| 49 | ITA705C
High pressure switch (diaphragm)
1~20 bar, DIN EN 61076-2 - LF terminal |
| 50 | ITA706
High pressure switch (diaphragm)
1~20 bar, DIN 43650-A connection |
| 51 | ITA706A
High pressure switch (diaphragm)
1~20 bar, 6.4 mm plug type connection |
| 52 | ITA707
High pressure switch (diaphragm)
1~50 bar, 6.4 mm plug type connection |
| 53 | ITA708
High pressure switch (diaphragm)
1~20 bar, 6.4 mm plug type connection |

Differential Pressure Transmitters

- 54 **ITAM108**
Differential pressure transmitter
0~10000Pa
- 55 **ITAM11 Series**
Digital display differential pressure transmitter
-10000~10000Pa
- 56 **ITAM3 Series**
Differential pressure gauge
-10000~10000Pa

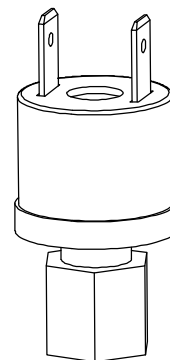
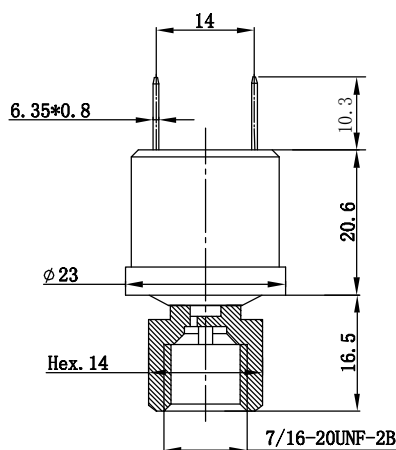
Pressure Transmitters

- 57 **ITA2000**
Universal pressure transmitter
-1~0.....600bar
- 58 **ITA3000**
Liquid level pressure transmitter
0~1.....500mH₂O
- 59 **ITA3800**
Digital pressure transmitter
0~2.....200mH₂O
- 60 **ITA1500**
Differential pressure transmitter
0~1±5kPa.....5000kPa
- 61 **ITA1050**
High accuracy pressure transmitter
0~2.....60bar
- 62 **ITA1030**
High accuracy pressure transmitter
-1.....-0.1bar~0~0.1bar.....1000bar
- 63 **ITA1700**
Absolute pressure transmitter
0.1.....400bar
- 64 **ITA1800**
High temperature resistant pressure transmitter
0~1.....2000bar
- 65 **ITAYG2221E**
Engine oil pressure sensor
0~6bar

ITA08



Small multi-purpose
pressure switch



Dimension in:mm

Los interruptores ITA08 son de ajuste fijo, interruptores de presión calibrados de fábrica. Es un reinicio automático y puede estar normalmente abierto o normalmente cerrado. Todos los componentes metálicos húmedos hacen que el interruptor ITA08 sea compatible con una multitud de productos químicos en forma líquida o gaseosa. Se ofrecen numerosos tipos de terminaciones eléctricas desde terminales de empuje de diferentes tamaños y estilos hasta cables con una variedad de conectores estándar de la industria.

ITA08 Order Ref NO

ITA08 -1 1 1 1 -145-175psi

A B C D

Pressure setting:Reset pressure 145psi

Action pressure 175psi

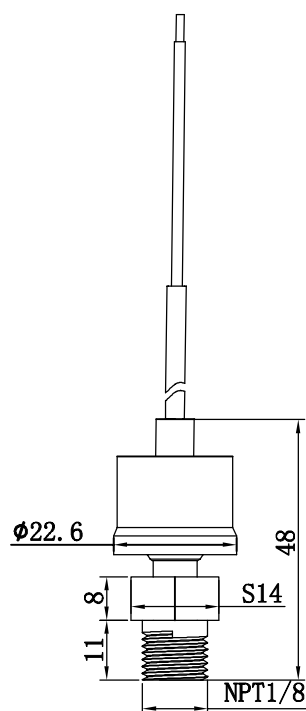
Number	Circuitry	Base Material	Connection	Electrical connections
1	A SPST-NC	B brass	C 1/8NPT	D 6.35×0.8
2	SPST-NO	plated steel	1/4NPT	4.8×0.8
3	SPDT	/	R1/8	18AWG Wire harness
4	/	/	R1/4	/
5	/	/	G1/8	/
6	/	/	G1/4	/
7	/	/	1/4 Copper tube	/
8	/	/	7/16UNF External thread	/
9	/	/	7/16UNF Internal thread	/
10	/	/	7/16UNF Internal thread+valve element	/

Specification

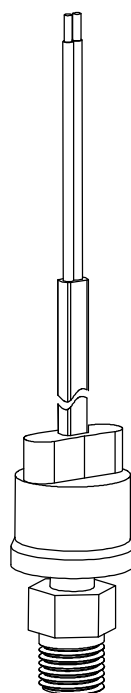
Model	ITA08		
Media	Air,Water,motor oils,transmission oils,Hydrocarbon Media,Refrigeration fluid		
Pressure Range/ Tolerance/ Proof Pressure	Action pressure	Tolerance	Proof Pressure
	0.2~6bar(low pressure)	±0.5bar	15bar
	6~10bar	±0.7bar	35bar
	11~20bar	±1bar	45bar
	21~30bar	±1.5bar	
	31~45bar	±1.5bar	
Burst Pressure	5000psi		
Operating Temperature Range	Environment temperature:low pressure:-30~65℃ ,High pressure:-35~120℃; Medium temperature:-50~120℃		
Switch Type	SPST(NC OR NO);SPDT		
Electric Rating	120Vac 6FLA,40.2LRA; 240Vac 4FLA,26LRA 120/240Vac 375VA;36Vdc 3A		
Endurance	100000		
Connection	Please see the selection table (customizable)		
Electrical connections	6.35*0.8;4.8*0.8 ; Wire connection (can be customized length and electrical plug)		

Conversion:1bar=14.5psi 1MPa=10bar

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Dimension in:mm



ITA08V

Small vacuum
pressure switch



ITA08V Order Ref NO

ITA08V- 1 1 1 1 -0.4 - 0 . 75bar

A B C D Pressure setting:Reset pressure 0.4bar Action pressure 0.75bar

El interruptor de presión de la serie ITA08V está diseñado como interruptor de reinicio automático, utilizado en entornos de vacío.

Number	Circuitry	Base Material	Connection	Electrical connections
1	A SPST-NC	B brass	C 1/8NPT	D 6.35×0.8
2	SPST-NO	plated steel	1/4NPT	18AWG Wire harness
3	/	/	G1/8	Protective sleeve
4	/	/	G1/4	/
5	/	/	custom-made	/

Specification

Model	ITA08V		
Media	Air,Water,motor lils,transmission oils,Hydrocarbon Media,Refrigeration fluid		
Pressure Range/ Tolerance	Action pressure	Reset pressure	Tolerance
	-0.5~-0.8bar	-0.25~-0.6bar	±0.05bar
	Differential pressure≥0.25 bar		
Burst Pressure	10bar		
Operating Temperature Range	Environment temperature:-20~65°C		
Switch Type	SPST(NC OR NO)		
Electric Rating	120Vac 6FLA,40.2LRA; 240Vac 4FLA,26LRA		
	120/240Vac 375VA;36Vdc 3A		
Endurance	300000		
Connection	Please see the selection table (customizable)		
Electrical connections	6.35*0.8 ; Wire connection (can be customized length and electrical plug)		

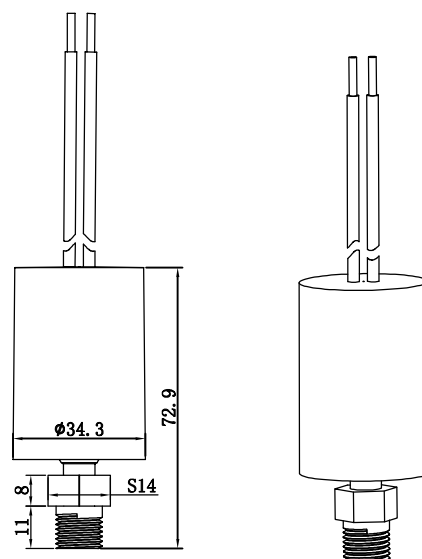
a . a a

ITA08A

High current
pressure switch



Los interruptores ITA08A son puntos de ajuste fijos, interruptores de presión calibrados de fábrica. Es un reinicio automático y puede estar normalmente abierto o normalmente cerrado. Todos los componentes metálicos húmedos hacen que el interruptor ITA08A sea compatible con una multitud de productos químicos en forma líquida o gaseosa.



Dimension in:mm

ITA08A Order Ref NO

ITA08A-1 1 1 1 -145-175psi

A B C D Pressure setting:Reset pressure 145psi Action pressure 175psi

Number	Circuitry	Base Material	Connection	Electrical connections
1	A SPST-NC	B brass	C 1/8NPT	D 6.35×0.8
2	SPST-NO	plated steel	1/4NPT	16AWG Wire harness
3	SPDT	/	R1/8	14AWG Wire harness
4	/	/	R1/4	/
5	/	/	G1/8	/
6	/	/	G1/4	/
7	/	/	1/4 Copper tube	/
8	/	/	7/16UNF External thread	/
9	/	/	7/16UNF Internal thread	/
10	/	/	7/16UNF Internal thread+valve element	/

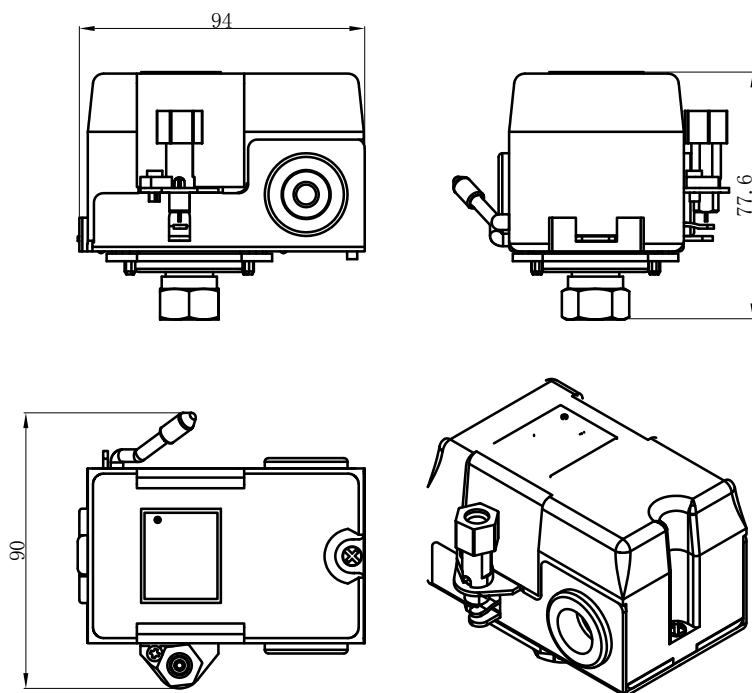
Specification

Model	ITA08		
Media	Air,Water,motor lils,transmission oils,Hydrocarbon Media,Refrigeration fluid		
Pressure Range/ Tolerance/ Pressure value	Action pressure	Tolerance	Proof Pressure
	0.2~6bar(low pressure)	±0.5bar	15bar
	6~10bar	±0.7bar	35bar
	11~20bar	±1bar	45bar
	21~30bar	±1.5bar	
	31~45bar	±1.5bar	
Burst Pressure	5000psi		
Operating Temperature Range	Environment temperature:low pressure:-30~65°C ,High pressure:-35~120°C; Medium temperature:-50~120°C		
Switch Type	SPST(NC OR NO);SPDT		
Electric Rating	120VAC,13FLA,65LRA;240VAC,10FLA,45LRA;480VAC,4FLA,24LRA 120/240VAC, 480/720VA ; 28VDC , 15AMP ; 24VAC , 125VA		
Endurance	100000		
Connection	Please see the selection table (customizable)		
Electrical connections	6.35*0.8;Wire connection (can be customized length and electrical plug)		

Conversion:1bar=14.5psi 1MPa=10bar

ITA10

Air compressor
pressure switch



Dimension in:mm



The ITA10 pressure switches are used to regulate the tank pressure between two preset values on small (up to 200psi) electrically driven air compressors. They are available with an unloader valve, which prevents compressors from starting under load, and an auto-off disconnect lever for manual cut off the compressor. A four port manifold style is available which provides a means for easy mounting of valves and gauges.

ITA10 Order Ref NO

ITA10(A) -4 H 1 1 1 2 3 -85psi-115psi

A B C D E F Pressure setting:Cut in 85psi Cut off 115psi

Number	Connection Type		Connection Size	Unloader Valve Type	Unloader Valve Connection	Handle Type
0	/	/	/	Without	Without	Without
1	single port	B female	C 1/4NPT	D vertical	Φ6.0mm	long and bend
2	/	male	3/8NPT	horizontal	E Φ6.4mm	long and straight
3	/	/	R1/4	/	Φ6.5mm	F short and bend
4	A four ports	/	R3/8	/	/	short and straight
5	/	/	G1/4	/	/	/
6	/	/	G3/8	/	/	/

Specification

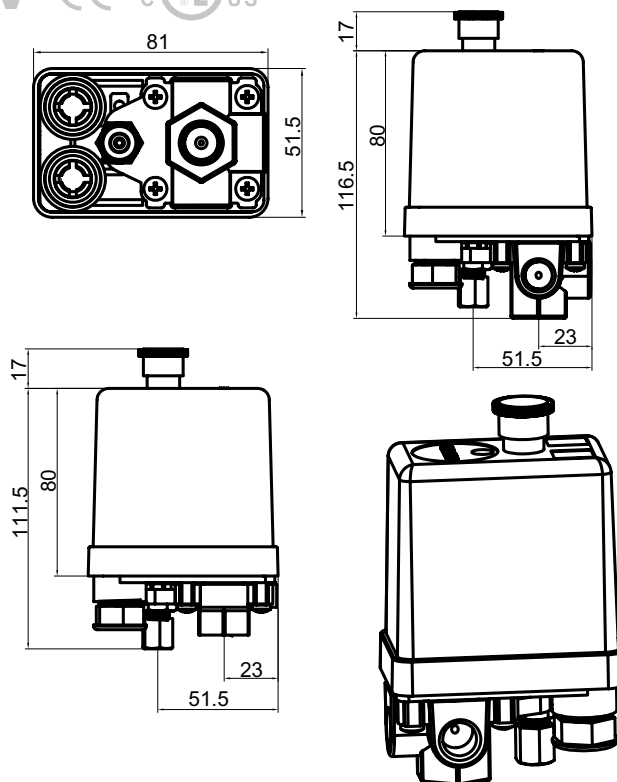
Model	Media	Operating Pressure Range	Factory Setting	Differential	Electrical Rating	Contact Arrangement	Connection
ITA10	Air	25-100psi	55-80psi	20-35psi	20A/120VAC 12A/240VAC	NC	1/4,3/8Male or Female NPT (1Port) 1/4 Female NPT (4Ports)
	Air	35-150psi	85-115psi	30-40psi			
	Air	50-175psi	110-150psi	35-55psi			
	Air	70-190psi	130-175psi	40-55psi			
ITA10A	Air	25-100psi	55-80psi	20-35psi	26A/120VAC 26A/240VAC	NC	1/4,3/8Male or Female NPT (1Port) 1/4 Female NPT (4Ports)
	Air	35-150psi	85-115psi	30-40psi			
	Air	50-175psi	110-150psi	35-55psi			
	Air	70-190psi	130-175psi	40-55psi			

Conversion: kgf/cm² = 1.2 psi bar = 14.5 psi Other connections are available on request.

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ITA10-L

Air compressor
pressure switch



Dimension in:mm

The ITA10-L pressure switch is a pressure-operated electric switch for use in regulating the tank pressure between two preset values on electrically driven air compressors. It is available with an unloader valve, which prevents compressors from starting under load, and an On-Off button for manual cut off the compressor. A four port manifold style is available.

ITA10-L Order Ref NO

ITA10-L -4 H 1 1 1 2 -85psi-115psi

A B C D E Pressure setting:Cut in 85psi Cut off 115psi

Number	Connection Type	Connection Size	Unloader Valve Type	Unloader Valve Connection
0	/	/	/	Without
1	single port B female	C 1/4NPT	D Copper	Φ6.0mm
2	/	3/8NPT	Plastic	E Φ6.4mm
3	/	R1/4	/	Φ6.5mm
4	A four ports	R3/8	/	/
5	/	G1/4	/	/
6	/	G3/8	/	/

Specification

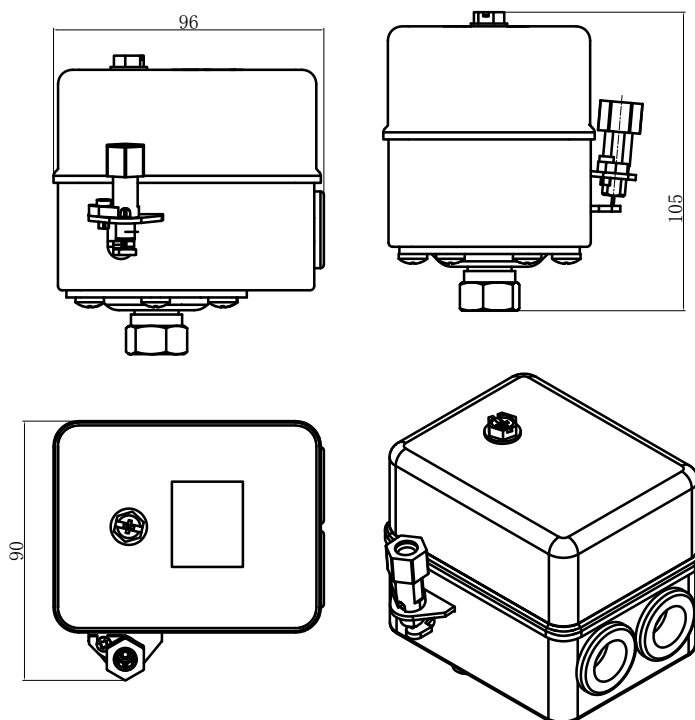
Model	Media	Operating Pressure Range	Factory Setting	Differential	Electrical Rating	Contact Arrangement	Connection
ITA10-L1H	Air	45-175psi	85-115psi	30-45psi	120VAC, 20A	NC	G1/4,G3/8 or 1/4,3/8NPT Female
ITA10-L4H	Air	45-175psi	85-115psi	30-45psi	120VAC, 20A	NC	G1/4,G3/8 or 1/4, 3/8NPTFemale (Four ports)

Other pressure settings and differential are available on request.

Other connections are available on request.

Conversion:1kgf/cm²=14.2psi 1bar=14.5psi

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Dimension in:mm

ITA17

Air compressor
pressure switch



ITA17 Order Ref NO

ITA17(A) -1 H 1 1 1 2 -145-175psi

A **B** **C** **D** **E** Pressure setting:Cut in 145psi Cut off 175psi

The rugged ITA17 pressure switch is designed for the demanding requirements of larger, heavy duty commercial air compressors (up to 250 psi). The sturdy painted steel case and cover resists the harsh conditions encountered in industrial applications. This style is also available with an unloader valve to prevent the compressor from starting under load.

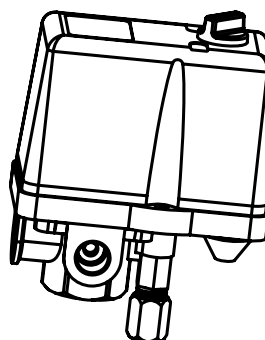
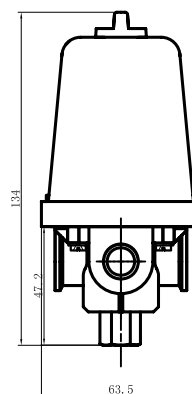
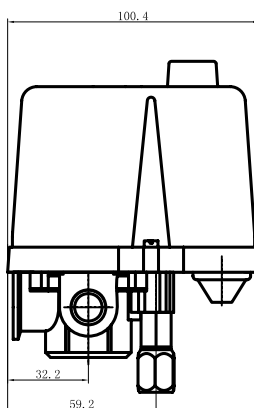
Number	Connection Type	Connection Size	Unloader Valve Type	Unloader Valve Connection
1	A single port	C 1/4NPT	D vertical	Φ6.0mm
2	/	3/8NPT	horizontal	E Φ6.4mm
3	/	R1/4	/	Φ6.5mm
4	/	R3/8	/	/
5	/	G1/4	/	/
6	/	G3/8	/	/

Specification

Model	Media	Operating Pressure Range	Factory Setting	Differential	Electrical Rating	Contact Arrangement	Connection
ITA17	Air	40-250psi	140-175psi	35-60psi	120VAC、24A 240VAC、20A	NC	1/4,3/8NPT Male or Female
	Air	15-60psi	30-45psi	15-20psi			
ITA17A	Air	420-500psi	325-400psi	55-70psi	120VAC、30A 240VAC、25A		

ITA18

Air compressor and pump
pressure switch



Dimension in:mm

The ITA10-L pressure switch is a pressure-operated electric switch for use in regulating the tank pressure between two preset values on electrically driven air compressors. It is available with an unloader valve, which prevents compressors from starting under load, and an On-Off button for manual cut off the compressor. A four port manifold style is available.

ITA10-L Order Ref NO

ITA10-L -4 H 1 1 1 2 -85psi-115psi

A B C D E F Pressure setting:Cut in 8bar Cut off 115psi

Number	Connection Type	Connection Size	Unloader Valve Type	Unloader Valve Connection	Handle Type
0	/	/	without	without	without
1	single port B female	C G1/4	D vertical	Φ6.0mm	F ON/OFF Knob
2	/	G1/2	/	E Φ6.4mm	/
3	three ports	1/4NPT	/	Φ6.5mm	/
4	A four ports	1/2NPT	/	/	/
5	/	R1/4	/	/	/
6	/	R1/2	/	/	/

Specification

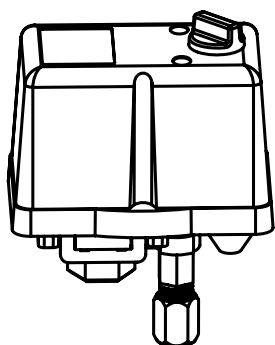
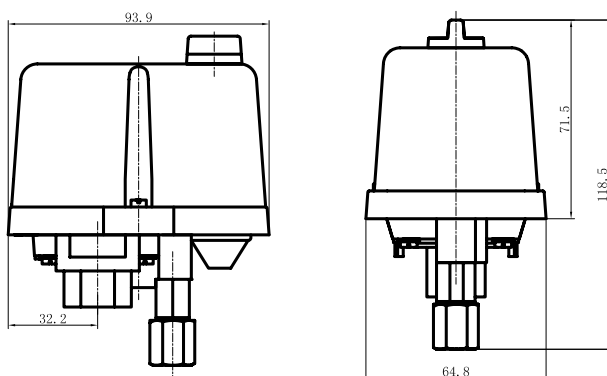
Model	Media	Operating Pressure Range	Factory Setting	Differential	Electrical Rating	Contact Arrangement	Connection
ITA18	Air	1.0-5.0bar	2.0-4.0bar	1.0-3.0bar	400VAC-3 16A/25A	NC	1/4 or 1/2NPT, G1/4 or 1/2 Female
		2.0-8.0bar	3.8-5.0bar	1.0-3.0bar			
		3.0-11.0bar	5.6-7.0bar	1.4-4.0bar			
		4.0-16.0bar	8.0-10.0bar	1.8-4.5bar			

Conversion:1kgf/cm²=14.2psi 1bar=14.5psi Other connections are available on request.

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ITA19

Air compressor and pump pressure switch



Dimension in:mm



ITA19 Order Ref NO

ITA19 -4 1 1 1 2 1 -7.5-10.5bar

A B C D E F

Pressure setting:Cut in 7.5bar

Cut off 10.5bar

ITA19 pressure switches provide time tested, reliable control for automatic water systems. The switch is universally acceptable for use as original equipment on water well pumps or pumping systems. It is available with an On-Off knob for manual cut off the pump.

Number	Connection Type		Connection Size	Unloader Valve Type	Unloader Valve Connection	Handle Type
0	/	/	/	without	without	without
1	single port	B female	C G1/4	D vertical	Φ6.0mm	F ON/OFF Knob
2	/	/	G1/2	/	E Φ6.4mm	/
3	three ports	/	1/4NPT	/	Φ6.5mm	/
4	A four ports	/	1/2NPT	/	/	/
5	/	/	R1/4	/	/	/
6	/	/	R1/2	/	/	/

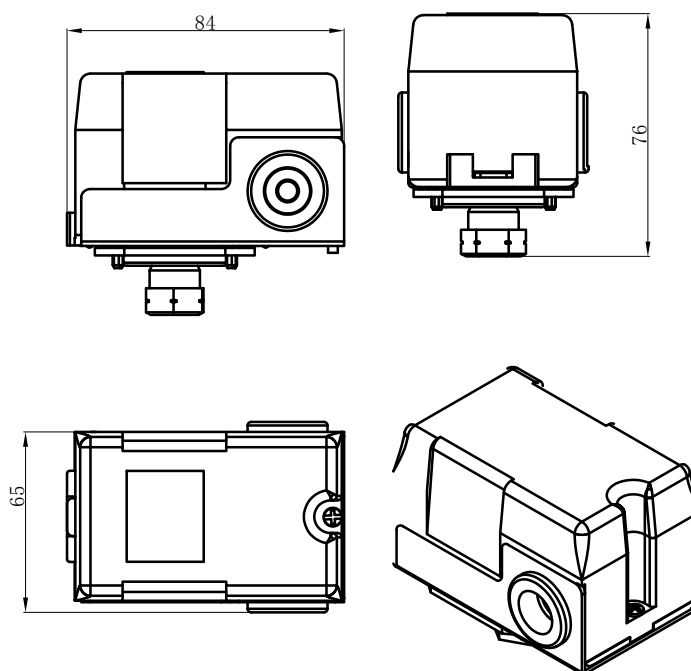
Specification

Model	Media	Unloader Valve	Operating Pressure Range	Factory Setting	Differential	Electrical Rating	Contact Arrangement
ITA19	Air	With	1-6bar	1-3bar	2-4bar	250VAC 16A/25A	NC
			2-11bar	1.4-3.5bar	6-8bar		
			5-14bar	1.8-4.0bar	8-10bar		

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ITA10-W

Pump pressure switch



Dimension in:mm



ITA10-WS and ITA10-WR Order Ref NO

ITA10-W series pressure switches provide time tested, reliable control for automatic water systems. The switch is universally acceptable for use as original equipment on water well pumps or pumping systems.

ITA10(A)-W(S or R)-1 1 1 -30-50psi

Contact Type: NC NO **A B C** Pressure setting: Cut in 35psi Cut off 50psi

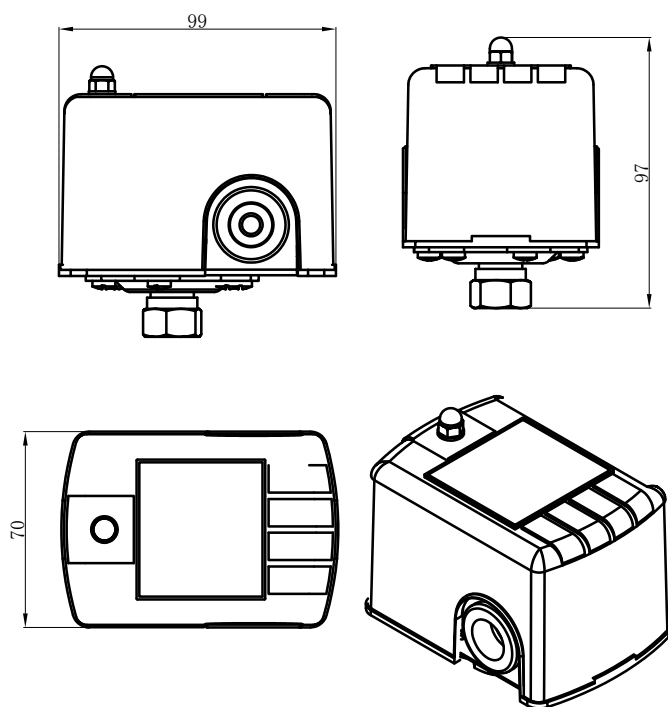
Number	Connection Type		Connection Size
1	A single port	B female	C 1/4NPT
2	/	male	3/8NPT
3	/	/	R1/4
4	/	/	R3/8
5	/	/	G1/4
6	/	/	G3/8
7	/	/	NPT1/4 Long Male
8	/	/	G1/4 Bolt Connectin

Specification

Model	Media	Operating Pressure Range	Factory Setting	Differential	Electrical Rating	Contact Arrangement	Connection
ITA10-WS (ITA10A-WS)	Water	15-82psi	20-35psi	15-30psi	120VAC、20A (120VAC、26A) 240VAC、12A (240VAC、26A)	NC	1/4NPT Male or Female
	Water	30-100psi	30-50psi	20-35psi			
	Water	35-150psi	85-115psi	30-40psi			
ITA10-WR (ITA10A-WR)	Water	80-15psi	50-30psi	17-30psi	240VAC、20A (120VAC、26A) 240VAC、12A (240VAC、26A)	NO	1/4NPT Male or Female
	Water	100-30psi	100-75psi	25-30psi			
	Water	150-35psi	125-95psi	30-45psi			

Conversion: 1kgf/cm²=14.2psi 1bar=14.5psi Other connections are available on request.

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Dimension in:mm



ITA16

Pump pressure switch



ITA16 Order Ref NO

ITA16(-1) -1 1 1 -30-50psi

A B C Pressure setting:Cut in 30psi Cut off 50psi

ITA16 pressure switches provide time tested, reliable control for automatic water systems. The switch is universally acceptable for use as original equipment on water well pumps or pumping systems.

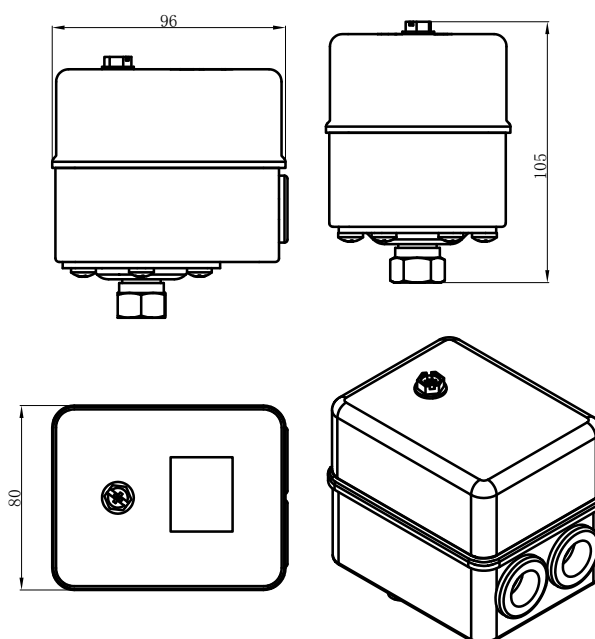
Number	Connection Type		Connection Size
1	A single port	B female	C 1/4NPT
2	/	male	3/8NPT
3	/	/	R1/4
4	/	/	R3/8
5	/	/	G1/4
6	/	/	G3/8

Specification

Model	Min On (Cut-In) psi	Min Off (Cut-Out) psi	Differential psi	Factory Setting psi	Electrical Rating			Contact Arrange- ment	Connection
					1Phase 120VAC	3Phase 240VAC	3Phase 240VAC		
ITA16	20	80	15-30	20-40	2HP	3HP	5HP	NC	1/4 Male or Female NPT
			15-30	30-50					
			15-35	40-60					
	40	100	20-35	70-100	1.5HP	2HP	3HP		
ITA16-1	20	80	15-30	20-40					
			15-30	30-50					
			15-35	40-60					
	40	100	20-35	70-100	2HP	3HP	5HP		

ITA17-W

Pump pressure switch



Dimension in:mm



The rugged ITA17 pressure switch is designed for the demanding requirements of larger, heavy duty commercial water pump system.

ITA17-W Order Ref NO

ITA17-W -1 1 1 -80-100psi

A B C Pressure setting:Cut in 80psi Cut off 100psi

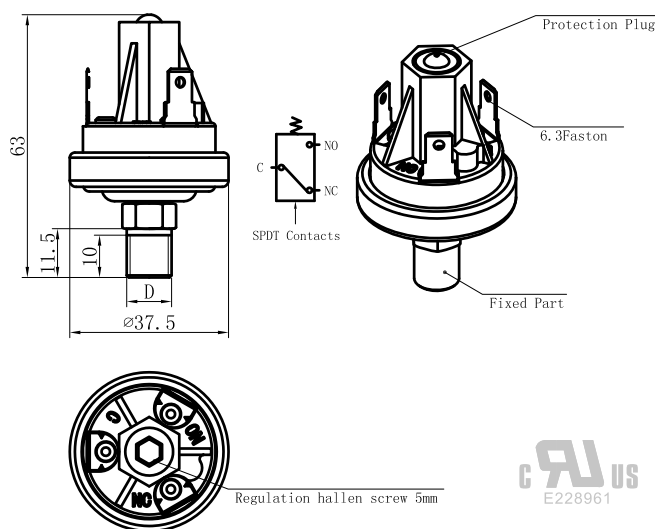
Number	Connection Type		Connection Size
1	A single port	B female	C 1/4NPT
2	/	male	3/8NPT
3	/	/	R1/4
4	/	/	R3/8
5	/	/	G1/4
6	/	/	G3/8

Specification

Model	Media	Operating Pressure Range	Factory Setting	Differential	Electrical Rating	Contact Arrangement	Connection
ITA17-W	Water	40-250psi	80-100psi	20-60psi	120VAC, 24A 240VAC, 20A	NC	G,NPT1/4, 3/8 Male or Female
	Water	14-100psi	40-70psi	14-50psi			
ITA17-W5	Water	15-60psi	30-45psi	7-20psi			

Conversion:1kgf/cm²=14.2psi 1bar=14.5psi

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Dimension in:mm



ITA20

Extended duty
pressure switch



The ITA20 pressure switch is specifically designed to stand up to extended duty applications. This switch is factory set but capable of field adjustment. It features different diaphragms for compatibility with a wide variety of fluids, and various terminations including a Metri-Pack connector that forms a tight seal when connected. It can be widely used for pool and spa, anti-skid braking systems, water pump systems, and dental air compressors, heavy construction, off road equipments and other pressure control systems.

ITA20 Order Ref NO

ITA20 -4 1 1 1 1 1 -10psi

A B C D E F Pressure setting: 10psi

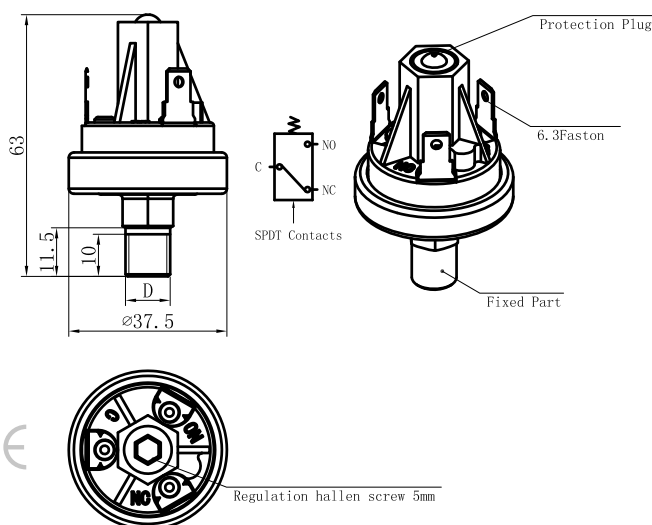
Number	Pressure Set Point Range	Circuitry	Base Material	Connection	Terminals	Cover
0	/	/	/	/	/	none
1	0.5-1psi±0.3psi	B SPST-NC	C brass	D 1/8NPT	E 1/4 blade	F cover A
2	1.1-3psi±0.5psi	SPST-NO	plated steel	1/4NPT	#8-32 scerws	cover B
3	3.1-7psi±1psi	SPDT-NO-C-NC	stainless steel	R1/8	wire leads	/
4	A 8-13psi±2psi	SPST-NO(adjustable)	/	R1/4	/	/
5	14-4psi±3psi	SPDT-NO-C-NC(adjustalble)	/	G1/8	/	/
6	25-50psi±5psi	/	/	G1/4	/	/
7	51-90psi±7psi	/	/	/	/	/
8	91-150psi±10psi	/	/	/	/	/

Specification

Model	ITA20
Media	Air,water,motor oils,transmission oils,jet fuels and other similar Hydrocarbon Media
Pressure Set Point	Factory set from 0. 5 to 150psi
Max Operating Pressure	150psi for 0.5-24psi set point range, 250psi for 25-150psi set point range
Proof Pressure	500psi
Burst Pressure	750psi for 0.5-24psi set point range, 1250psi for 25-150psi set point range
Opeating Temperature Range	-40°C to +120°C
Switch Type	Direct action,blade contact
Electric Rating	Resistive : 15AMP-6VDC, 8AMP-12VDC, 4AMP-24VDC Inductive : 1AMP-120VAC, 0.5AMP-240VAC
Contact Arrangement	SPST-N.O,N.C 1circuit adjustable dual circuit,or 2circuits adjustble dual circuit.Also available are N.O/N.O.dual circuit and N.C/N.C.dual circuit
Terminal	#8-32 screws,1/4" blade
Connection	1/8-27NPT Male
Material	Contact:silver alloy,gold plated;Base:brass;Cover:glass reinforced polyester;Diaphragm:polyimide film
Options	Plated Steel,plastic or stainless steel base;various base connector threadsize; wire leads(potted & sealed);Teflone or EPDM diaphragm

ITA20-H

Ultra duty pressure switch



Dimension in:mm

The ITA20-H pressure switches are robust, compact and designed to operate in harsh environments at various pressures. The switch is factory calibrated but in the case that adjustment is needed in the field the switch offers an adjustment screw to facilitate any fine tuning required. The standard diaphragm employed is polyimide making it compatible with many gases and liquids. Several other diaphragm materials are available that make the switch compatible with many mediums. Various electrical terminations are available including tabs and a metric-pack connector that forms a tight seal when connected.

ITA20-H Order Ref NO

ITA20-H -4 1 2 1 1 1 -175psi

A B C D E F Pressure setting: 175psi

Number	Pressure Set Point Range	Circuitry	Base Material	Connection	Terminals	Cover
0	/	/	/	/	/	none
1	10-35psi±3psi	B SPST-NC	/	D 1/8NPT	E 1/4 blade	F cover A
2	35-75psi±7psi	SPST-NO	C plated steel	1/4NPT	#8-32 screws	cover B
3	75-150psi±10psi	SPDT-NO-C-NC	stainless steel	R1/8	wire leads	/
4	A 150-250psi±20psi	SPST-NO(adjustable)	/	R1/4	/	/
5	250-400psi±50psi	SPDT-NO-C-NC(NO.adjustable)	/	G1/8	/	/
6	/	/	/	G1/4	/	/

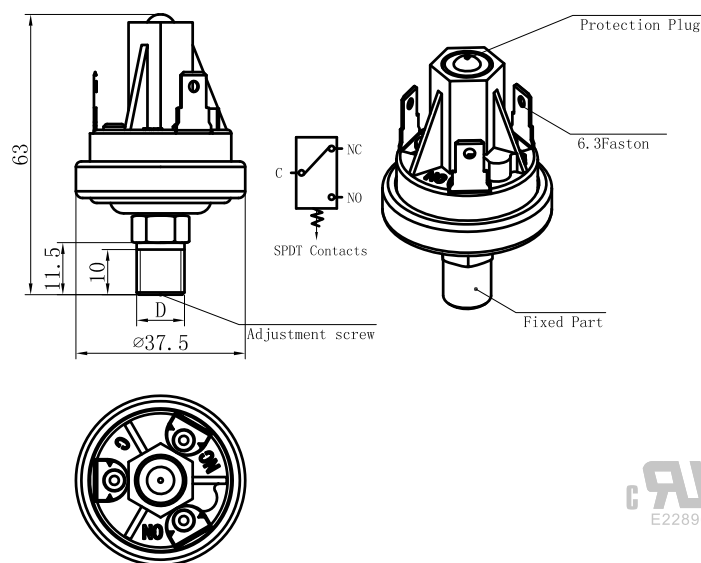
Specification

The polyimide diaphragm is not suit for water, if customer is to use the pressure switch in water, please contact the factory.

Model	ITA20-H
Media	Air, water, motor oils, transmission oils, jet fuels and other similar Hydrocarbon Media
Pressure Set Point	Factory set from 10 to 400psi
Max Operating Pressure	500 psi
Proof Pressure	2000 psi
Burst Pressure	4000 psi
Operating Temperature Range	-40°C to +120°C
Switch Type	Direct action, blade contact
Electric Rating	Resistive : 15AMP-6VDC, 8AMP-12VDC, 4AMP-24VDC Inductive : 1AMP-120VAC, 0.5AMP-240VAC
Contact Arrangement	SPST-NO, NC, SPDT
Terminal	#8-32 screws, 1/4" blade, Metri-Pack
Connection	1/8"NPT Male, 1/4"NPT Male, G1/8" Male, G1/4" Male
Material	Contact: Silver alloy, gold plated ; Base: Plated Steel ; Cover: Glass reinforced polyester Diaphragm: Polyimide film (other materials is optional according to media)
Options	Base connector sizes, wire leads, NO/NO.dual circuit and NC/NC.dual circuit

Conversion: 1kgf/cm²=14.2psi 1bar=14.5psi

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Dimension in:mm

ITA20-V

Vacuum pressure switch



ITA20-V vacuum switch is specifically designed to stand up to extended duty applications. This switch is factory set. It features a fluorosilicone rubber diaphragm for compatibility with a wide variety of fluids, and various terminations including a Metri- Pack connector that forms a tight seal when connected. Among the outstanding design benefits are its durable construction, compact size, and enhanced set point integrity.

ITA20-V Order Ref NO

ITA20-V -4 1 1 1 1 1 -20" Hg

A B C D E F Pressure setting: 20"Hg

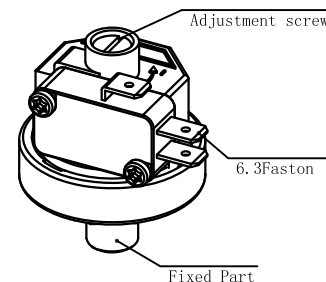
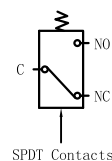
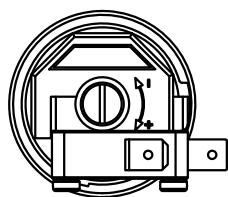
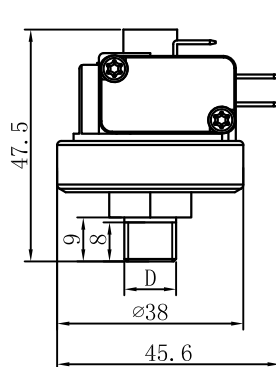
Number	Pressure Set Point Range	Circuitry	Base Material	Connection	Terminals	Cover
0	/	/	/	/	/	none
1	1.1-3"Hg(15-41"H2O)±0.5"Hg	B SPST-NC	C barss	D 1/8NPT	E 1/4 blade	F cover A
2	4-8"Hg±1"Hg	SPST-NO	plated steel	1/4NPT	#8-32screws	cover B
3	9-17"Hg±2"Hg	/	stainless steel	R1/8	wire leads	/
4	A 18-22"Hg±3"Hg	/	/	R1/4	/	/
5	/	/	/	G1/8	/	/
6	/	/	/	G1/4	/	/

Specification

Model	ITA20-V
Media	Air
Pressure Set Point	Factory set from 1.1 to 22 in/Hg vacuum
Max Operating Pressure	30 in/Hg vacuum
Burst Pressure	150 psi
Opeating Temperature Range	-40°C to +120°C
Switch Type	Direct action,blade contact
Electric Rating	Resistive : 15AMP-6VDC, 8AMP-12VDC, 4AMP-24VDC Inductive : 1AMP-120VAC, 0.5AMP-240VAC
Contact Arrangement	SPST-NO,NC
Terminal	#8-32 screws,1/4" blade,Metri-Pack
Connection	1/8"NPT Male,1/4"NPT Male,G1/8"Male,G1/4"Male
Material	Contact:Silver alloy,gold plated ; Base:Plated Steel ; Cover:Glaee reinforced polyester ;Diaphragm:Fluorosilicone elastomer
Options	Various base connector sizes,wire leads(potted & sealed)

ITA25

Steam pressure switch



Dimension in:mm

ITA25 pressure switch is designed for control pressure with higher current capacity. It is widely used in steam cleaner, steam sadiron and other pressure control system. It provides SPST or SPDT contact form and switch deadband (also referred to as mechanical differential or hysteresis). ITA25 switch utilize high- quality miniature snap-action switches. The switch is diaphragm operated. During the development of a specification, actuation point can be adjusted by the designer. In production, factory setting is required.

ITA25 Order Ref NO

ITA25 -4 1 1 1 -3.5bar

A B C D Pressure setting: Factory set at 3.5bar

Number	Pressure Range	Connection Type (Male)	Electrical Rating	Max operating temperature
1	0.2-0.6bar	B 1/8NPT	C 16A,125-250VAC	D 85°C
2	0.5-1.0bar	1/4NPT	22A,125-250VAC	125°C
3	1.0-2.5bar	R1/8	/	/
4	A 2.0-4.0bar	R1/4	/	/
5	3.0-7.0bar	G1/8	/	/
6	5.0-9.0bar	G1/4	/	/

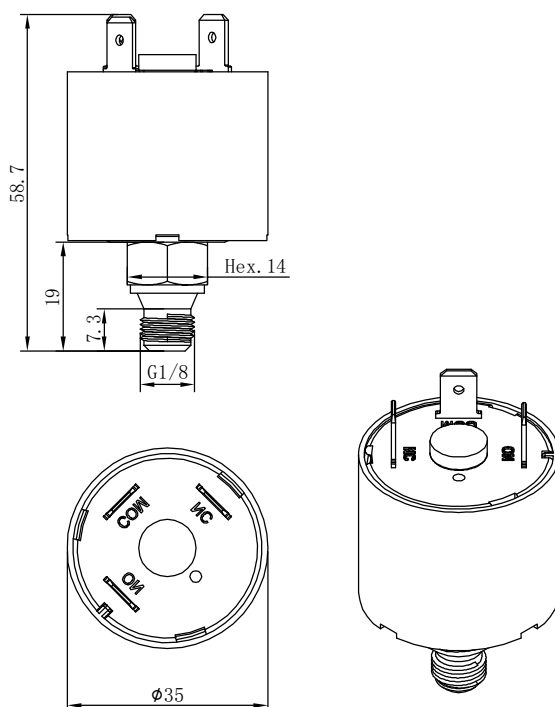
Specification

Model	ITA25					
Media	Non hazardous gas, liquid or steam					
Operating Pressure	0.2-0.6bar	0.5-1.0bar	1.0-2.5bar	2.0-4.0bar	3.0-7.0bar	5.0-9.0bar
Proof Pressure	3bar	3bar	10bar	10bar	10bar	10bar
Operating Temperature Range	+125°C Maximum					
Contact Arrangement	SPST or SPDT					
Electric Rating	SPST or SPDT /Normal Close:16(4)-250VAC (other ratings are available if necessary)					
Terminal	6.3 or 4.8mm male Q.C. Insulation cover is available if necessary					
Connection	1/8NPT-27 or 1/4NPT-18 Male (other connection is optional)					

Conversion:1kgf/cm²=14.2psi 1bar=14.5psi

ITA26

Steam pressure switch



Dimension in:mm



ITA26 is a compact pressure switch capable of sensing pressure range from as low as 0.2 bar up to 6bar and 10 bar. The switching mechanism is an internal snap action switch offering high current capacities with options of SPST, SPDT, normally open and normally closed contacts. It can be widely used in applications, where pressure of air, steam, gas, water etc. need to be controlled accurately and hysteresis is required.

ITA26 Order Ref NO

ITA26 -1 1 1 -3.5bar

A B C Pressure setting: Factory set at 3.5bar

Number	Pressure Range	Connection Type (Male)	Differential
1	A 0.2-6bar	B 1/8NPT	C Fixed 0.1-0.4bar
2	0.2-10bar	1/4NPT	Adjustable 0.2-0.8bar
3	/	G1/8	/
4	/	G1/4	/
5	/	R1/8	/
6	/	R1/4	/

Specification

Model	ITA26	
Media	Non hazardous gas,liquid,oil or steam	
Operating Pressure	0.2-6bar	0.2-10bar
Proof Pressure	12bar	
Differential	Fixed 0.1-0.4bar ; Adjustable 0.2-0.8bar	
Operating Temperature Range	+125°C Max imum	
Contact Arrangement	SPST or SPDT	
Electric Rating	Normally closed:NC 15A resistance load,1.5 inductive load/250V Normally open:NO 9A resistance load, 0.9 inductive load/250V	
Terminal	6.3 mm Male Q.C Insulation cover is available if necessary	
Connection	G1/8 or G1/4 Male (other connection is optional)	

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ITA05

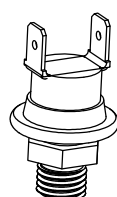
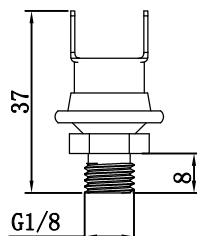
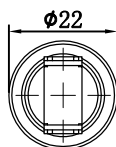
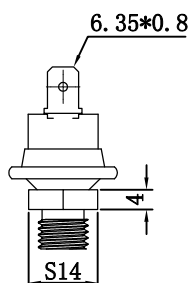
Miniature steam
pressure switch



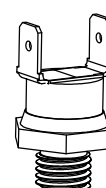
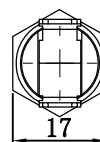
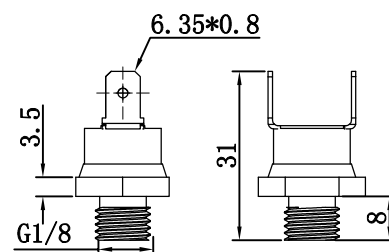
LF05



LF05A



LF05A



LF05

ITA05 is a small size and high performance pressure switch, it has the inner construction of SPST connection and silver contact. The switch can be used in circuit control that the max current can be up to 16A. High quality silicon diaphragm is dedicated to control equipment of high temperature and pressure with water vapor. Compact appearance make this switch suitable for devices that have the smaller internal installation space.

Dimension in:mm

ITA05(A) Order Ref NO

ITA05(A)-1

A

A Code	Pressure Setting	A Code	Pressure Setting
ITA05-1	1.5+/-0.2 bar	ITA05A-1	1.0+/-0.2 bar
ITA05-2	2.0+/-0.2 bar	ITA05A-2	2.0+/-0.2 bar
ITA05-3	2.5+/-0.2 bar	ITA05A-3	3.0+/-0.2 bar
ITA05-4	3.0+/-0.3 bar	ITA05A-4	4.0+/-0.3 bar
ITA05-5	4.0+/-0.3 bar	ITA05A-5	5.0+/-0.3 bar

Specification

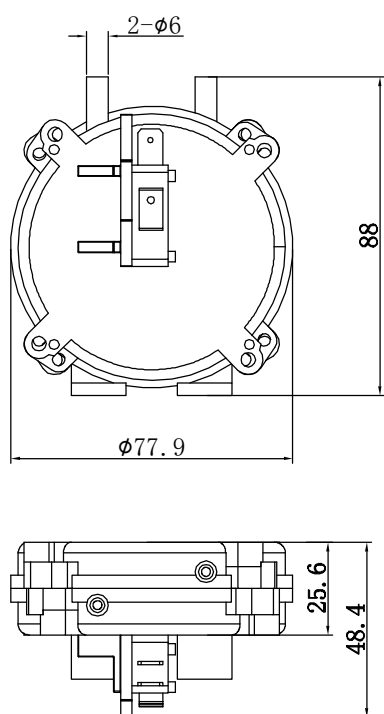
Model	ITA05	ITA05A
Media	Air, water, water vapor	Air, water, water vapor
Pressure Setting Range	1.5~4.0 bar	1.0~5.0 bar
Max Working Pressure	4.5 bar	5 bar
Proof Pressure	8 bar	10 bar
Working Temperature	Max 125°C	Max 125°C
Contact Arrangement	SPST-NC	SPST-NC
Electrical Rating	16A/250VAC,30,000 cycles	16A/250VAC,50,000 cycles
Terminal	6.35 x0.8mm	6.35 x0.8mm
Connection	G1/8" male	G1/8" male
Material	Connection: Brass Diaphragm: Stainless steel Contact: Fine Silver	Connection: Brass Diaphragm: Stainless steel Contact: Fine Silver

Conversion:1bar=14.5psi 1MPa=10bar

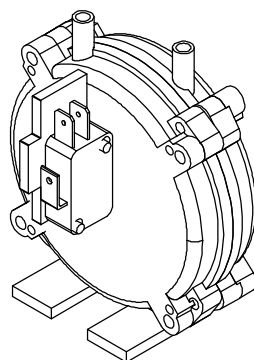
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ITA30

Air differential
pressure switch



Dimension in:mm



The ITA30 employs a differential pressure to actuate a precision snap switch at chosen pressure setting. This may be the difference between atmospheric and a negative or positive pressure or between any two given pressures. When a change of pressure occurs between the negative pressure chamber and the positive pressure chamber the main diaphragm activates the snap switch at a pre-determined value.

ITA30 Order Ref NO

ITA30 -4 1 1 1 -P70Pa-100Pa

A B C D Pressure setting in pa:P=Positive V=Vacuum
ON:100Pa OFF:70Pa

Number	Electiral Rating	Terminals	Mounting/Fixing	Orifice
0	/	/	none	none
1	0.1A,125/250VAC	B 6.3×0.8mm	C with bracket	D with orifice
2	3A,125/250VAC	4.8×0.5mm	/	/
3	5A,125/250VAC	/	/	/
4	A15A,125/250VAC	/	/	/

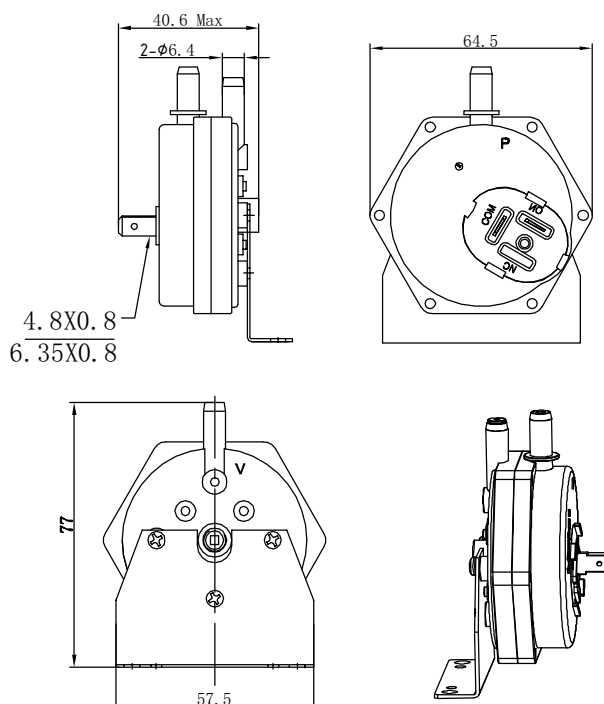
Specification

Model	ITA30
Media	Air,products of combustion or natural gas
Mounting/Fixing	4 screws with maximum penetration depth of 6.3mm into appropriate mounting holes,or fixed with optional bracket
Mounting Position	The LFAS is position sensitive.It may be mounted in most positions provided it has been calibrated
Pressure Range	0.4mbar~8.0mbar make on positive or negative pressure rise.Minimum upper switching pressure 0.4mbar.Minimum lower switching pressure 0.2mbar
Switch Differential	Not less than 0.1mbar and not greater than 0.3mbar depending on pressure settings
Maximum Operating Pressure	10mbar Pmax=50mbar
Operating Temperature Range	105°C Maximum
Electric Rating	0.1A、 5A、 16A、 125/250VAC. other ratings are available on request
Contact Arrangement	SPDT or SPST
Terminal	6.3 or 4.8mm male Q.C. Optional insulation cover available as necessary.
Calibration Tolerance	Standard production tolerance at ambient temperature is ±0.10mbar or ±5% of set point,whichever is the greater.

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ITA31

Air differential pressure switch



Dimension in:mm

ITA31 switches offer pressure, vacuum and differential models capable of sensing very low setpoints, and switching current up to 5A resistive, 2.5A inductive. Designed for use in the HVAC industry, where reliable air proving is critical to both performance and customer safety. The ITA31 is a favorite with leading manufacturers of gas-fired warm air furnaces and water heaters.

ITA31 Order Ref NO

ITA31 -S P D 0.05 L/ 125 Pa

A B C D E F G

A Contact Material:S=Silver,G=GOLD

B Actuation Mean:V=Vacuum,P=Positive pressure

C Contact Arrangement:S=SPST,D=SPDT

D Orifice diameter in thing of an inch

E Direction of actuation pressure:L=Increasing,D=Decreasing

F Set point:125,norminal set from 0-3000Pa

G Unit actuation pressure abbreviated:in W.C.,psi,Pa,mbar,etc

Specification

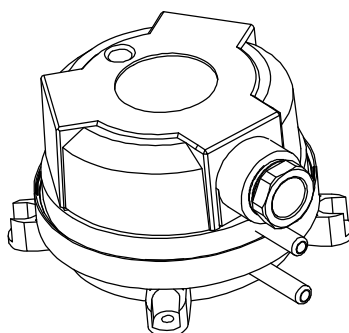
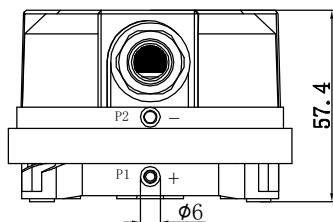
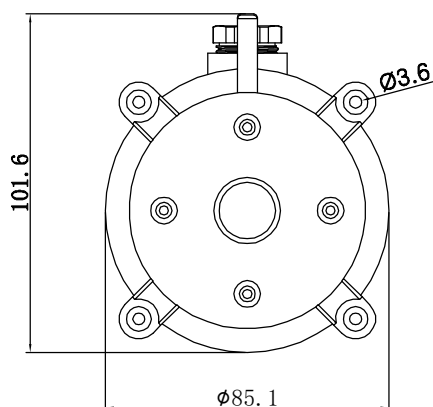
Model	ITA31
Media	Air,products of combustion or natural gas
Operating Pressure Range	0.15in W.C. to 34in W.C.
Mounting Position	Diaphragm in any vertical Plane
Proof Pressure	100in W.C.(3.6psi)
Burst Pressure	5psi Minimum
Operating Temperature	-40°C to +85°C
Contact Arrangement	SPSP or SPDT
Electrical Rating	Resistance:initial < 50 milliohms Current:100mA mimimum,5A(resistive)maximum(fine silver alloy contacts) 15mA minimum,0.5A maximum(gold-platinum-silver alloy contacts)
Termimnal	6.3mm or 4.8mm copper alloy
Connection	Ø6.4mm for tube connection

Conversion:1in W.C.=249Pa 1mbar=100Pa

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ITA32

Air differential
pressure switch



Dimension in:mm

The ITA32 is an adjustable differential pressure switch capable of detecting miniscule changes in pressure due to the size and proven design. The switch set point or switching point can be field adjustable without the need of a manometer by simply using the adjustment knob and the built in calibrated visual scale. This switch is equipped a clear cover that not only protects the adjustment knob to be move involuntary but also provides class IP54 protection

ITA32 Pressure Range

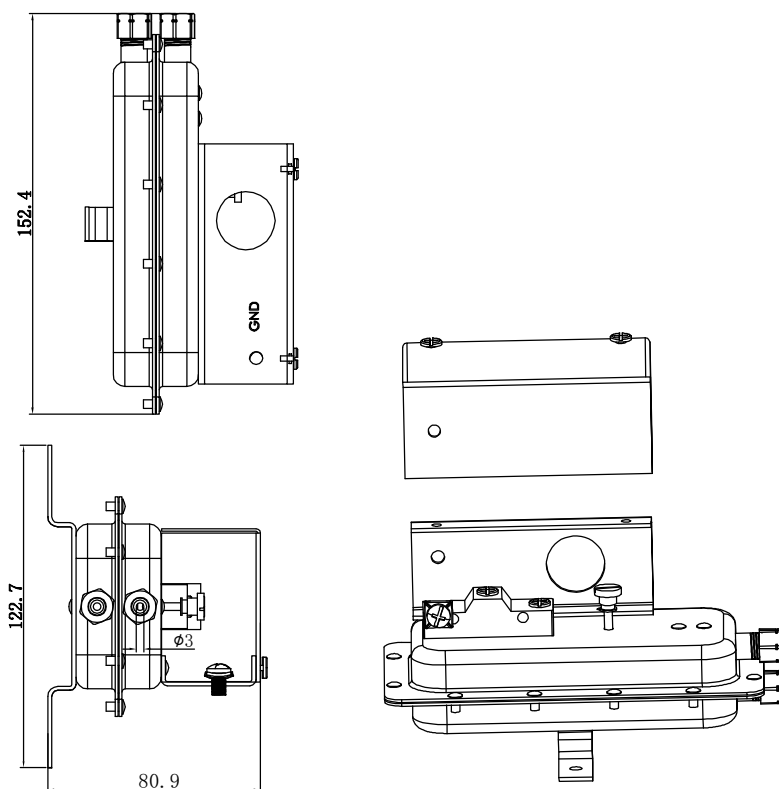
Model	Pressure Range	Differential	Tolerances
ITA32-02	20-200(Pa)	10(Pa)	$\leq \pm 15\%$
ITA32-03	30-300(Pa)	10(Pa)	$\leq \pm 15\%$
ITA32-04	40-400(Pa)	20(Pa)	$\leq \pm 15\%$
ITA32-05	50-500(Pa)	20(Pa)	$\leq \pm 15\%$
ITA32-10	200-1000(Pa)	100(Pa)	$\leq \pm 15\%$
ITA32-25	500-2500(Pa)	150(Pa)	$\leq \pm 15\%$
ITA32-11	100-1000(Pa)	50(Pa)	$\leq \pm 15\%$
ITA32-50	1000-5000(Pa)	250(Pa)	$\leq \pm 15\%$

Specification

Model	ITA32
Media	Air, non-combustible and ono-aggressive gass
Max Operating Pressure	10kPa
Mounting Position	Diaphragm in any vertical Plane
Degree of protection	IP54(with cover),IP00(without cover)
Operating Temperature	-40°C to +85°C
Contact Arrangement	SPDT
Electrical Rating	Resistance: initaial < 100 milliohms Current: 1.5A(0.4A)/250V
Termimnal	6.3mm × 0.8 blade or screw terminal
Connection	Φ6.4mm for tube connection

ITA35

Air differential
pressure switch



Dimension in:mm

The ITA35 are general purpose airflow proving switches designed for HVAC, detection of blocked filters and fan suction, air flow monitoring in ducts, pipes, tunnels, and other energy management applications. It may be used to sense positive, negative or differential air pressure.

ITA35 Order Ref NO

ITA35-1 1 A 1 -P0.5mbar

A B C D Pressure setting:P0.5mbar P=Positive;V=Vacuum

A Operating Pressure:1=0.5mbar-30mbar;2=0.2mbar-5.0mbar

B Connection:1=accept 0.25"OD rigid or semi-rigid tubing;2=Male 0.25"slip-on connectors,suitable for flexible tubing

C Mounting/Fixing:A=Bracket A;B=Bracket B

D Wire Protecting:0=None;1=with protecting on closure

Specification

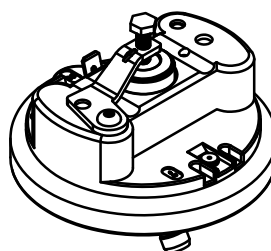
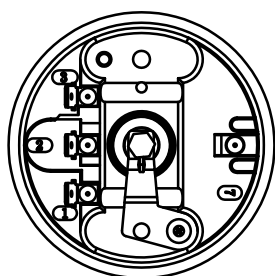
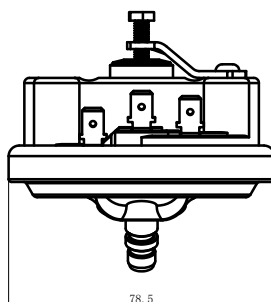
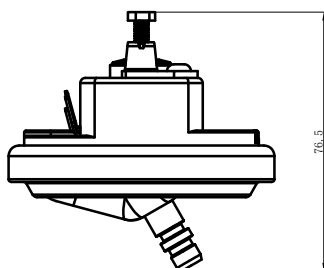
Model	ITA35-1	ITA35-2
Media	Air	
Mounting Position	Diaphragm in any vertical Plane	
Field Adjustable Range	0.5±0.05mbar to 30.0mbar	0.2±0.05mbar to 5.0mbar
Switch Differential	Progressive,increasing from approximately 0.05mabr at minimum set point,to approximately 2.0mbar at maximum set point	Progressive,increasing from approximately 0.05mabr at minimum set point,to approximately 0.25mbar at maximum set point
Maximum Pressure	30mbar	
Operating Temperature	-40°C~ +82°C	
Electrical Rating	300VA pilot duty at 115-277VAC,10A,non-inductive,277AVC	
Connection	Ferrule and nut compression type connectors that accept 0.25"OD rigid or semi-rigid tubing;male 0.25"slip-on connector	
Contact Arrangement	SPDT	

Conversion:1mbar=100Pa 1"W.C=249Pa

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ITA37

Liquid level
pressure switch



Dimension in:mm

ITA37 Order Ref NO

ITA37 - 1 1 1 -4.5" -6" H 2 O

A B C Pressure setting:cut in :6"H2O ; cut off :4.5"H2O

ITA37 diaphragm pressure switch is available for various sumps, effluent, and sewage application to control the liquid level. Various switch settings are available for to turn-on or turn-off the pump. The diaphragm pressure sensing design make it more reliable than traditional float ball mechanism. Port connection design make it can sense the pressure without immersing the liquid directly.

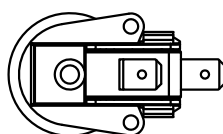
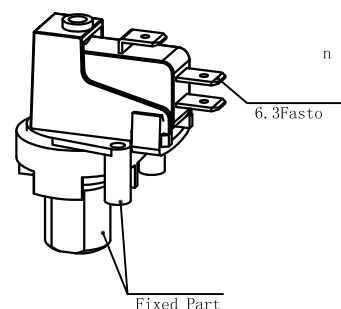
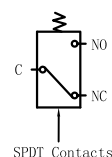
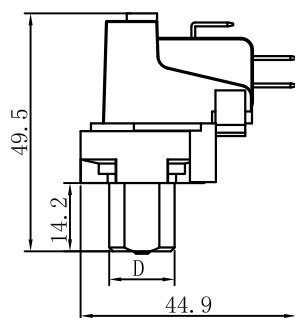
Number	Connection Type	Contact Arrangement	Enclosure
0	/	/	none enclosure
1	A Diaphragm	B SPDT	C with enclosure
2	Φ6mm for tube	SPST-NO	/
3	1/4NPT	SPST-NC	/

Specification

Model	ITA37
Media	Air,water or other non-hazardous liquid
Basic function	Diaphragm Pressure switch operation:provide water level signals to appliance control,level value can be set on customer request
Pressure Range liquild level Range	2~60 in W.C.
Proof Pressure	5psi
Contact Type	SPDT,SPST-NC/NO
Electrical Rating	12/13.8A,125VAC 10A,250VAC 1/2HP,125/250VAC 3/4HP,125/250VAC
Ambition Temperature	40°C
Terminal	6.3×0.8 blade

ITA40-01

Air actuated
pressure switch



Dimension in:mm



ITA40-01 is provided with a snap action switching for higher current capacity, SPDT contact form and switch deadbands. It can be used together with air button for remote control purpose, which is widely used in food waste disposer, pumps for swimming pools and spas, hot tubs, sanitary equipment, medical equipment etc. Used as a remote control, ITA40-01 has two actions, Momentary action and Alternate action.

Button

LF40 combination switch box

ITA40-01 Order Ref NO

ITA40-01-1 M 1 3 1 -3psi

A B C D Set Point(psi):3psi

Action Type:M=Momentary action; A=Alternate action

Number	Connection Type	Body Color	Electrical Rating	Terminal
1	A 4mm OD tube side entry	B white	0.1A,125/250VAC	D 0.25inch blade
2	4mm OD tube+NPT1/4 connection bottom entry	black	3A,125/250VAC	0.187inch blade
3	1/8NPT bottom entry	/	C 5A,125/250VAC	PCB
4	1/8NPT+4mm OD metal tube	/	15A,125/250VAC	/
5	/	/	16A,125/250VAC	/
6	/	/	21A,125/250VAC	/

Specification

Model	ITA40-01
Media	non hazardous gas or liquid
Operating Pressure Range	0.25~15psi for momentary action;1.0~1.8psi for Alternate action
Proof Pressure	50psi
Operating Temperature Range	-10℃ to +85℃
Contact Arrangement	SPST or SPDT
Electrical Rating	0.1A,125/250VAC; 15A,125/250VAC 3A,125/250VAC; 16A,125/250VAC 5A,125/250VAC; 21A,125/250VAC
Terminal	6.3 or 4.8mm male Q.C
Connection	Inlet4.0mm for tube connection(Optional1/8"NPT or other fittings are available)

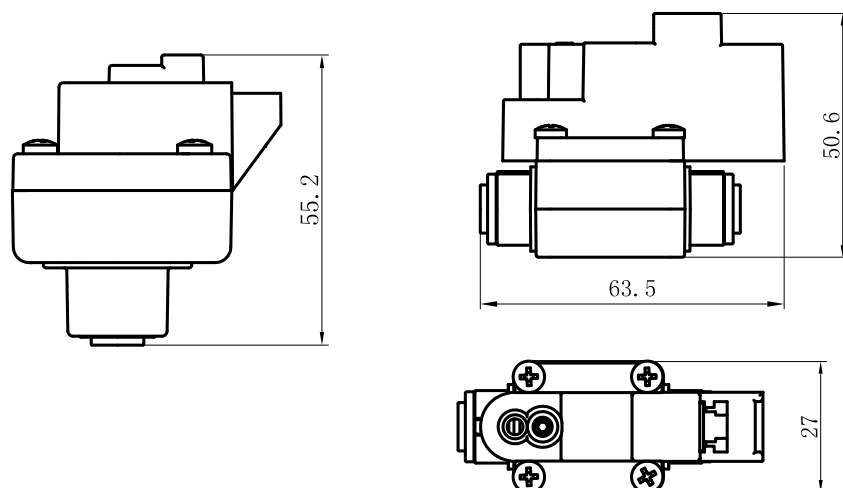
Conversion:1kgf/cm²=14.2psi 1psi=68.95mbar

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ITA42

Water dispensers high
and low pressure switch



Dimension in:mm



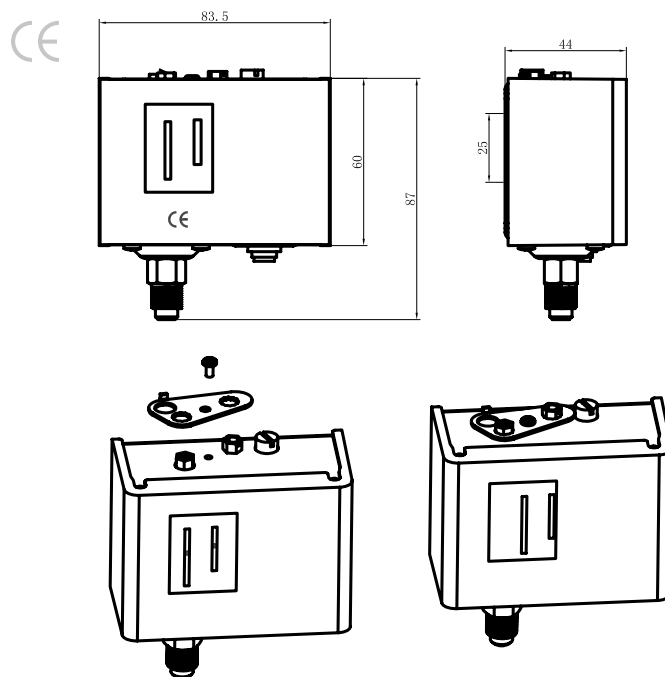
El interruptor de presión de la serie ITA42 se utiliza en la protección de la presión del suministro de agua de la entrada de agua. Esta serie incluye dos modelos ITA42H (protección de alta presión) e ITA42L (protección de baja presión). ITA42H es el modelo de interruptor de protección de alta presión. Si la presión del recipiente a presión transferido alcanza el valor de ajuste mientras el recipiente está lleno de agua, el interruptor cortará el circuito para hacer que la bomba se detenga. Por lo tanto, la bomba no se dañará. ITA42L es el interruptor de protección de baja presión. Si la presión de la entrada de agua es inferior al valor establecido, RO no funcionará y mantendrá el desagüe, entonces el interruptor cortará el circuito para hacer que la bomba se detenga. Puede evitar que la bomba de refuerzo siga funcionando sin agua, lo que puede provocar daños en el circuito. Si la presión de la entrada de agua vuelve al volumen establecido más bajo, la bomba volverá a funcionar.

Specification

Model	ITA42H	ITA42L
Media	water	water
Pressure set range	cut off pressure:2.5bar±0.5bar cut in pressure: 1.5bar±0.5bar	cut off pressure:≤0.1 bar cut in pressure: ≥0.2 bar
Proof pressure	18bar	18bar
Durability	> 40000 times	> 40000 times
Working temperature	5~45°C	5~45°C
Switch type	Microswitch , nomal close	Microswitch , nomal open
Electrical rating	Voltage:250V AC Current:16A	Voltage:250V AC Current:16A
Terminal	4.8*0.8 blade	4.8*0.8 blade
Connector	A quarter fast interface	A quarter fast interface

ITA55

Pressure switch for refrigeration system

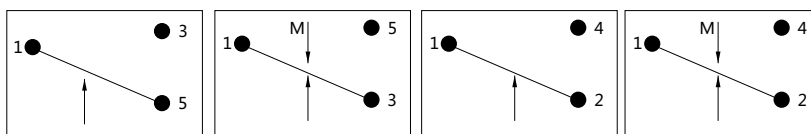


Dimension in:mm

Los interruptores de presión de la serie ITA55 se utilizan para controlar la presión del compresor en el sistema de refrigerante, también disponible en aire o fluido de agua. Esta serie tiene un rendimiento bastante estable con estructura interna de microinterruptor. Se proporcionan soportes de montaje estándar

Contact Function

Arrow means the direction of pressure increasing, M means hand reset



Electrical Function

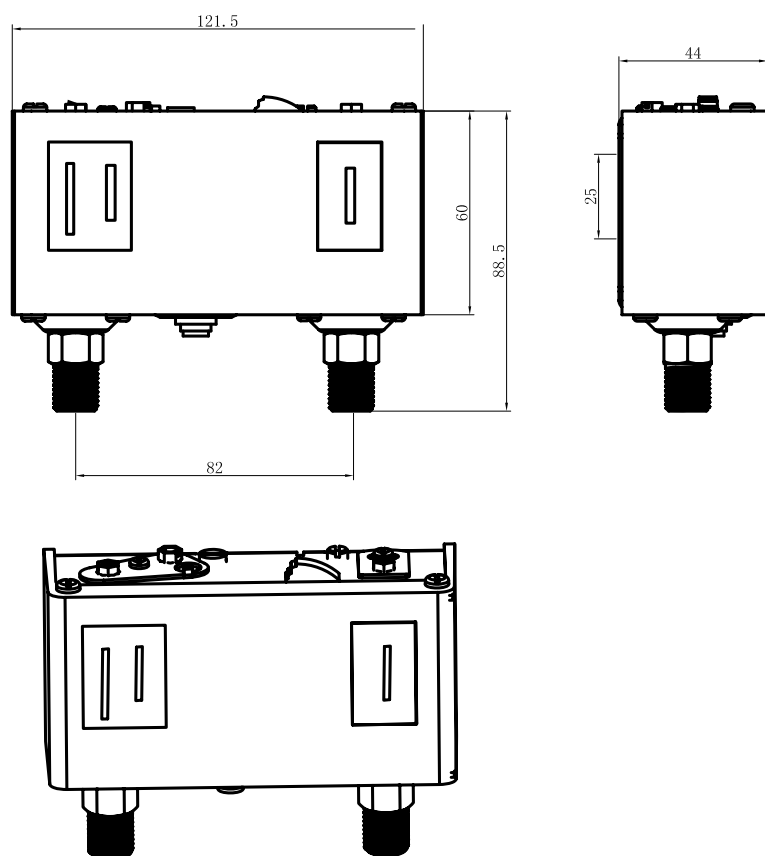
Rated Amps.(A)\Rated Voltage(V)	125VAC	250VAC	24VDC
Full Load	20A	10A	8A
Locked Roter	72A	72A	64A
Temperature	-20~110°C		

Specification

Model	Range(bar)		Differential (bar)		Factory Setting(bar)		Max Operating Pressure(bar)
	Min	Max	Min	Max	OFF	ON	
ITA5502	-0.5	2	0.2	0.7	1	0.5	16.5
ITA5503	-0.5	3	0.35	1.5	2	1	16.5
ITA5506	-0.5	6	0.6	4	3	2	16.5
ITA5506M	-0.5	6	Reset Differential ≤1bar		3	Manual Reset	16.5
ITA5508	-0.2	7.5	0.7	4	3	2	20
ITA5510	1	10	1	3	6	5	16.5
ITA5514	2	14	1	4	10	8	20
ITA5516	3	16	1	4	10	8	35
ITA5520	5	20	2	5	16	13	35
ITA5530	8	30	Fixed 3 to 5bar		20	15~17	35
ITA5530M	8	30	Reset Differential ≤4bar		20	Manual Reset	35
ITA5530D	5	30	3	10	20	15	35
ITA5532	8	32	2	6	20	17	35
ITA5542	8	42	4	10	30	25	46.5

Conversion: 1kgf/cm² = 14.2psi 1psi = 68.95mbar

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ITA58

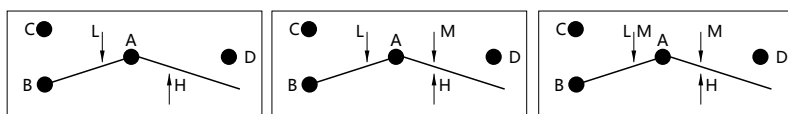
Pressure switch for refrigeration system



Dimension in:mm

Contact Function

Arrow means the direction of pressure increasing, M means hand reset



Los interruptores de presión de la serie ITA55 se utilizan para controlar la presión del compresor en el sistema de refrigerante, también disponible en aire o fluido de agua. Esta serie tiene un rendimiento bastante estable con estructura interna de microinterruptor. Se proporcionan soportes de montaje estándar

Electrical Function

	B-C			D
Rated Amps.(A)\Rated Voltage(V)	125VAC	250VAC	24VDC	250VAC
Full Load	20A	10A	8A	50VA
Locked Roter	72A	72A	64A	4A
Temperature	-20~110°C			

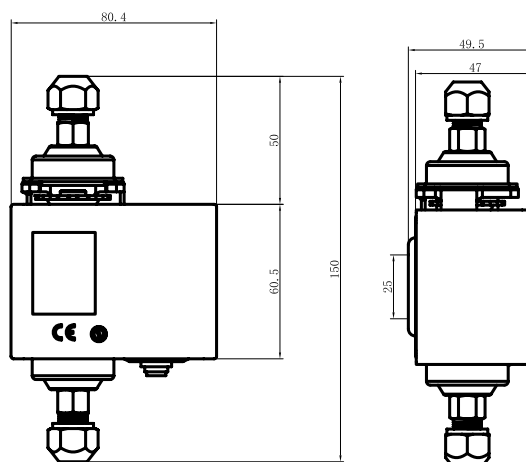
Specification

Model	Press Side	Range(bar)		Differential (bar)		Factory Setting(bar)		Max Operating Pressure(bar)
		Min	Max	Min	Max	OFF	ON	
ITA5832	Low Side	-0.2	7.5	0.7	4	4	2	20
	High Side	8	32	Fixed 4		20	15	35
ITA5832HM	Low Side	-0.2	7.5	0.7	4	4	2	20
	High Side	8	32	Fixed 4		20	Manual Reset	35
ITA5832HLM	Low Side	-0.2	7.5	Fixed 4		3	Manual Reset	20
	High Side	8	32	Fixed 4		20	Manual Reset	35

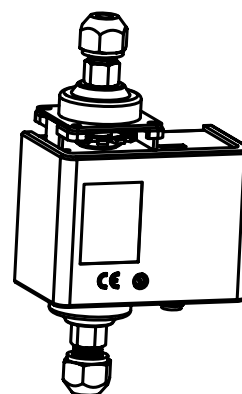
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ITA5D

Oil differential pressure switch



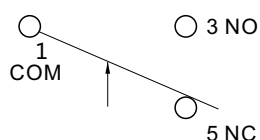
Dimension in:mm



La serie ITA5D son interruptores diferenciales de presión que normalmente se usan en agua o fluido de aceite para controlar la presión diferencial del tubo de salida y el tubo de entrada. El siguiente es una de las aplicaciones típicas: instale la válvula en la tubería que está cerca de la bomba de agua (aceite), cuando el diferencial de presión de los dos lados del sistema aumenta o disminuye y excede el valor de ajuste, la válvula se abrirá. Entonces el diferencial de presión del sistema alcanzará la circulación normal. Ambos lados de la serie LF5D tienen componentes altamente sensibles, el interruptor actuará para controlar el sistema del equipo, como la válvula accionada por motor, mientras que el diferencial de presión cambia.

Contact Function

SPDT



- 1 Common contact
- 1-3 When pressure increase, it's closed
- 1-5 When pressure decrease, it's closed
- ↑ Pressure rise's way

Notes: 1) When install the pressure switch's connection tube, don't wrong side of high pressure & low pressure.

2) When install the pressure switch's connection tube, the screw with the connection must be use two 10" spanner to do it colse.

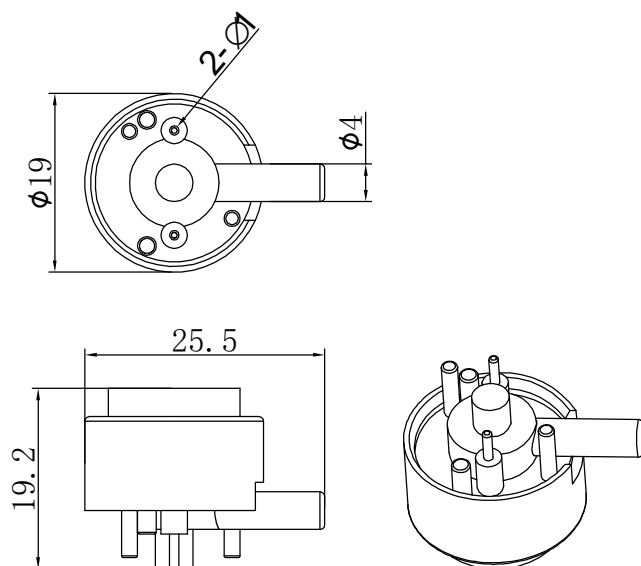
Electrical Function

Rated Amps.(A)\Rated Voltage(V)	125VAC	250VAC	24VDC
Non-Inductive Current	20A	10A	10A
Full Load	15A	8A	8A
Locked Rotor	72A	72A	64A
Temperature	-20~110°C		

Specification

Model	Differential Adjust range (bar)		Factory Setting(bar)	Max Operating Pressure(bar)
	Min	Max		
ITA5D2	0.5	2	0.5	16.5
ITA5D4	0.5	3.5	1	16.5
ITA5D6	0.5	3.5	1	33
ITA5D6H	1	6	1	16.5
ITA5D4H	1	6	1	33

Note: Default connection is M12x1.25, if need British connection such as 7/16-20UNF, please add 'E' in the end of the model
 Normally, use English system is screw thread is 7/16-20UNF



Dimension in:mm

ITAS-01

Miniature pressure & vacuum switch



Los interruptores de presión de vacío ITAS-01 pueden detectar tanto la presión negativa como la positiva, como la aspiradora familiar. El interruptor tiene muchos tipos de conexión eléctrica, como diferentes cables, terminales, conexiones de zócalo y pin de soldadura (diseño especial para la instalación de placas de circuito impreso). Está diseñado como una interfaz económica entre los sistemas de presión y las placas de circuito impreso sin demora.

ITAS-01 Order Ref NO

ITAS-01 0 0 0 W10 R135 - V90

A B C D E F

A Connection Type:D=Pressure & Vacuum Connection ; 0=Vacuum Connection

B Contact Carrying parts:0=Brass Silver Plated ; G=Brass Golden Plated

C Connection Size:0=4mm OD tube

D Wire Lead:0=Without,Wxx=Length of wire lead in inches,i.e.W10=10inch wire lead;Terminal is available on customer's request

E Inlet Rotation:0=Aligned,Rxx=Angle(xx in Degrees) i.e.R135=135°C

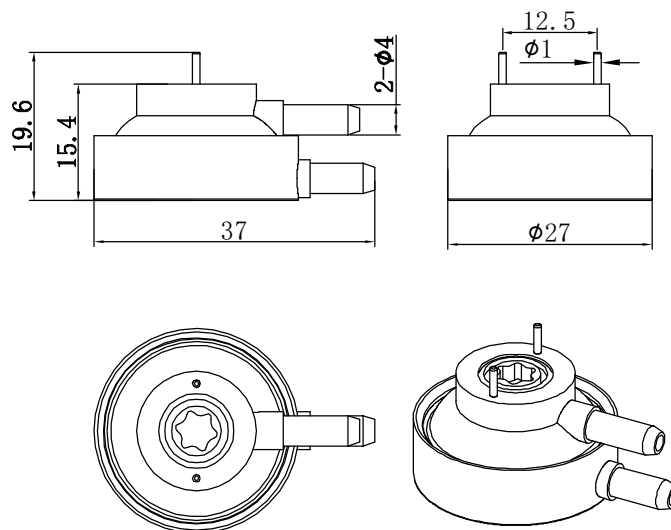
F Pressure setting in mbar: i.e. V90=90mbar vacuum, P90=90mbar positive

Specification

Model	ITAS-01
Media	Non-hazardous gas only
Electrical Function	1 pole NO
Electrical Rating	20mA,125/250V~
Ambient Temperature	-10°C to +90°C
Electrical Connection	solder pins 1.0mm,10mm between away from each other or with different leads and terminals
Pressure Range	Pressure:10-800mbar; Vacuum:10-800mbar
Maximum Pressure	1000mbar
Connection	Inlet 4.0mm for tube connection

ITAS-02

Miniature pressure & vacuum switch



Dimension in:mm

El interruptor de presión ITAS-02 está diseñado como una interfaz económica entre los sistemas de presión y las placas de circuito impreso. Este interruptor se puede usar como un medidor o interruptor de presión diferencial sin casi histéresis. Se aplica a la detección tanto de presión positiva como negativa. Las características de este interruptor incluyen un diseño de cuerpo que permite rotar los puertos de presión, varios estilos de terminales que incluyen cables.

ITAS-02 Order Ref NO

ITAS-02 0 0 0 W10 R135 - V90

A B C D E F

A Connection Type:D=Pressure & Vacuum Connection ; 0=Vacuum Connection

B Contact Carrying parts:0=Brass Silver Plated ; G=Brass Golden Plated

C Connection Size:0=4mm OD tube ; B=5mm OD tube

D Wire Lead:0=Without,Wxx=Length of wire lead in inches,i.e.W10=10inch wire lead;Terminal is available on customer's request

E Inlet Rotation:0=Aligned,Rxx=Angle(xx in Degrees) i.e.R135=135°

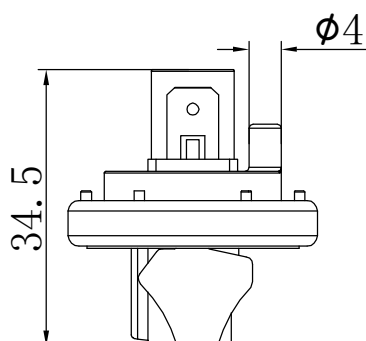
F Pressure setting in mbar:i.e. V90=90mbar vacuum, P90=90mbar positive

Specification

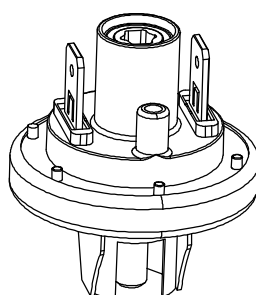
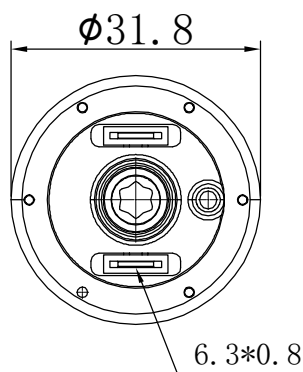
Model	ITAS-02
Media	Non-hazardous gas only
Electrical Function	1 pole NO
Electrical Rating	250mA,250V~
Ambient Temperature	-10°C to +90°C
Electrical Connection	solder pins 1.0mm,12.5mm between away from each other or with different leads and terminals
Pressure Range	Pressure:5-800mbar; Vacuum:5-800mbar
Maximum Pressure	Pressure:1000mbar; Vacuum:1000mbar
Connection	Inlet 4.0mm or 5.0mm for tube connection

Conversion:1mbar=100Pa 1"W.C=249Pa

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Dimension in:mm



ITAS-03

Miniature pressure & vacuum switch

ITAS-03 se puede aplicar a la detección de presión positiva o negativa. Se puede utilizar como un medidor o interruptor de presión diferencial sin casi histéresis. Si se requieren 2 puntos de conmutación, se deben emplear 2 presostatos con diferentes calibraciones. El método de fijación de los terminales de lengüeta al cuerpo del interruptor no permite un sellado de aire absoluto. Por lo tanto, el interruptor no se recomienda para aplicaciones donde se debe mantener el vacío estático. Sin embargo, los modelos especiales con resorte de presión adicional que permiten conectar el vacío al lado de entrada de presión están disponibles bajo pedido.

ITAS-03 Order Ref NO

ITAS-03 0 0 0 W10 R135 - V90

A B C D E F

A Connection Type:D=Pressure & Vacuum Connection ; 0=Vacuum Connection

B Contact Carrying parts(Dimension in mm):0=Brass Silver Plated ; G=Brass Golden Plated

C Connection Size:0=4mm OD tube (G1/8,NPT1/8,M10×1 Male connection are optional)

D Wire Lead:0=Without,Wxx=Length of wire lead in inches,i.e.W10=10inch wire lead;Terminal is available on customer's request

E Inlet Rotation:0=Aligned,Rxx=Angle(xx in Degrees) i.e.R135=135°C

F Pressure setting in mbar :i.e. V90=90mbar vacuum, P90=90mbar positive

Specification

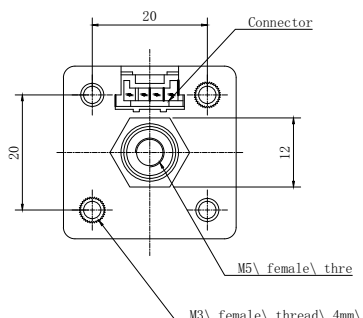
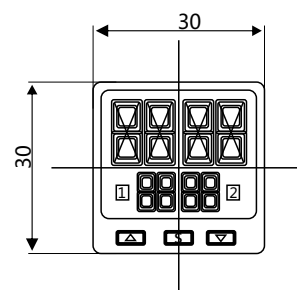
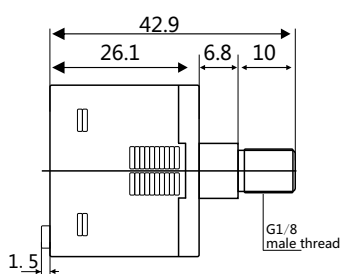
Model	ITAS-03
Media	Non-hazardous gas only
Electrical Function	1 pole NO or 1 pole NC
Electrical Rating	250mA ,250V(Pmax:2.5bar)
Ambient Temperature	-10°C to +90°C
Termimnal	4.8mm×0.8mm copper alloy
Pressure Range	-15-800mbar
Maximum Pressure	2500mbar
Connection	Inlet 4.0mm for tube connection (Threaded inlet M10×1, NPT1/8 or G1/8 Male)

ITADS10

High-precision digital pressure switch



Las series ITADS101 / ITADS102 pueden medir la presión con un sensor de alta confiabilidad. Después del procesamiento por el circuito de fondo, la señal se convertirá en una señal eléctrica industrial estándar. Luego saldrá y se mostrará. Estos productos tienen un diseño de carcasa de plástico, alto contraste, doble pantalla digital LCD. Por lo tanto, esta serie de productos se puede utilizar en diversas aplicaciones industriales. El producto con diseño de 3 teclas y menú fácil de usar será más conveniente de usar. Las diferentes conexiones pueden cumplir completamente los requisitos de instalación específicos. Los usuarios pueden ajustar los parámetros de trabajo de los elementos del conjunto incorporado. Eso es muy flexible y conveniente.



Dimension in:mm

ITADS101(2) Order Ref NO

ITADS101-S-E-N-W

A B C D E

A Pressure Range	B Output characters (Note1)	C Connection Type	D Switching value type	E Special status (Note2)
1=High pressure type(-100~1000kPa)	S=Standard type	R=R1\8+M5 Female screw	N=NPN	W=No
2=Low pressure type(-100~100kPa)	A=Current output type	E=G1\8+ M5 Female screw	P=PNP	X=Special specification
	V=Voltage output type	M=M5 Female screw		J=Customized

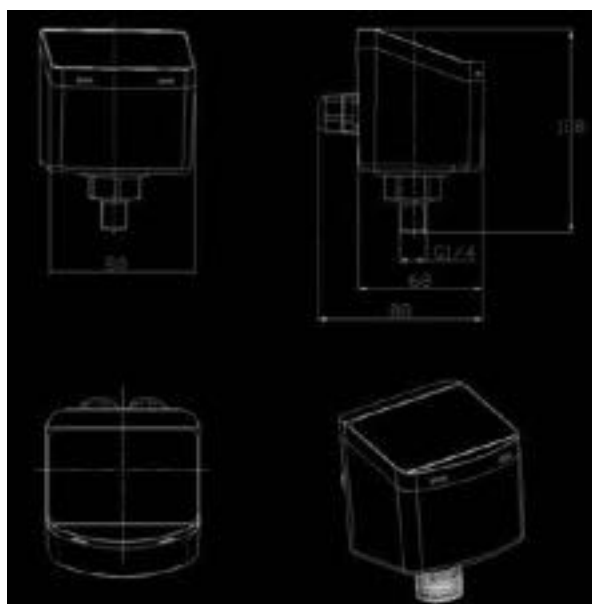
Note 1:Standard type:2 switch interface(PNP or NPN);Current type:1 switch interface (PNP or NPN)+1analogue(4-20mA);Voltage type:1switch interface(PNP or NPN)+1 analogue(1-5V).
Note 2:Any question,please contact us.

Specification

Item\Model	ITADS102	ITADS101
Pressure Type	Standard pressure	
Pressure Range	(-100~100kPa)	(-100~1000kPa)
Proof Pressure	3 times	1.5 times
Media	Non-hazardous gas only	
Rated voltage	12~24VDC	
Current Consumption	<20mA (when no load)	
Switch output	<NPN Output type>:NPN open collector transistor,Max current:100mA,Pressure drop: <1.5V <PNP Output type>:PNP open collector transistor,Max current:100mA,Pressure drop: <1.5V	
Output Setting	NO/NC	
Hysteresis	1-8 level (Default 3 level)	
Repeatability	±0.3%F.S	
Comprehensive precision	±1%F.S	
Response Time	2.5\5\10\25\250\500\1000\5000ms	
Analog voltage output	1-5V±5% (Limit for current output type)	
Analog current output	4-20mA±5% (Limit for voltage output type)	
Storage Temperature	-10~60℃	
Operating Temperature	0~50℃	
Temperature Character	±2.5%F.S	
Enclosure	CN-14A-C2(with connector cable,2m)	

Conversion:1kgf/cm²=14.2psi 1bar=14.5psi

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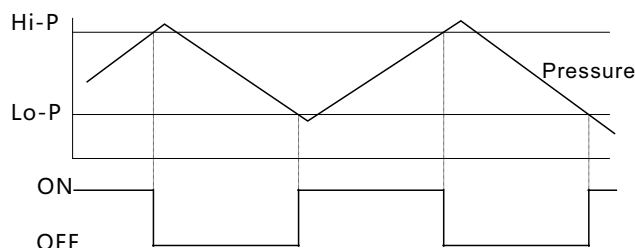
ITADS63 Series

Digital pressure controller



Relay working mode

Dimension in:mm



Hi-P:OFF pressure value

Lo-P:ON pressure value

The Controller will monitor pressure in container in real time, to control pressure by ON/OFF setting.

User also can use manual set to change parameters and lock protection (refer to operating insturction).

ITADS63 Series Order Ref NO

ITADS630-S-T-R

A B C D

La serie ITADS63 (630/631/632) está hecha por un sensor de alta confiabilidad para medir la presión. Después de eliminarse por el circuito de fondo, la señal se muestra en el visualizador y controla automáticamente la salida del relé cuando la presión cambia. Con diseño de carcasa de plástico de ingeniería y pantalla LCD de alto contraste, este producto de la serie se puede utilizar en varios campos industriales. Los tipos de tipos de conexión pueden cumplir diferentes requisitos de instalación. El usuario puede ajustar los parámetros libremente, con una variedad de configuraciones incorporadas, es flexible y conveniente. La serie ITADS63 (630/631/632) tiene características de antivibración, larga vida útil, fácil operación, alta estabilidad y pantalla clara.

A Pressure range	B Output	C Special function	D Connection
2=Mid-pressure(0~2.0MPa)	No code(default)=Single AC220V output	No code(default)=No	No=G1/4
1=Low-pressure(0~1.0MPa)	S=Single reay switch output	T=Intelligent time control	N=NPT1/4
0=Vacuum(-101.3~10.KPa)	D=Double relay switch output		R=R1/4

Specification

Item\Model	Vacuum	Low-pressure	Mid-pressure
Pressure Range	-101.3~10kPa	0~1.6MPa	0~2MPa
Proof pressure	1.5 times	2 times	
Medium	Air, noncorrosive gas		
Rated working voltage	220VAC		
Power Consumption	1.3W(No Load)		
Load	200VAC 10A(Max)		
IP class	IP52		
Connection	Brass NPT1/4 male		
Accuracy	±1%F.S		
Storage temperature	-10~60℃		
Operation temperature	0~50℃		
Dimension	80*88*110mm(with connection)		

ITADS704

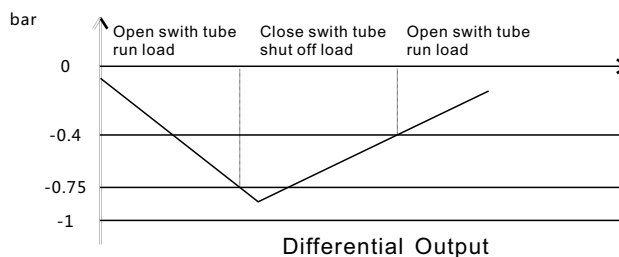
Electronic pressure switch



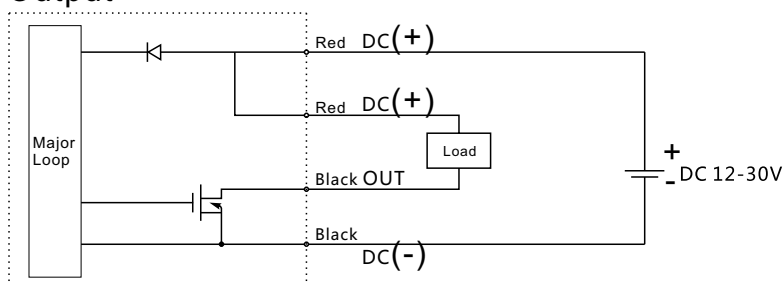
ITADS704 es ampliamente utilizado en el sistema de control de bombas de vacío de automóviles eléctricos, vehículos diesel y vehículos de gasolina. ITADS704 tiene un sensor de presión MEMS interno, al recopilar el calentamiento y comparar la señal de presión para realizar la salida del tubo del interruptor del punto de presión especial. El producto utiliza un sensor de presión que es del tipo de presión absoluta, la precisión no afectará a la atmósfera, que se puede utilizar en cualquier altitud. El producto tiene una salida diferencial, lo que reduce el riesgo de corte de la vida útil del dispositivo controlado para la acción frecuente cerca del punto crítico.

Lógica de funcionamiento

Salida del tubo del interruptor: salida diferencial, la presión se reduce de 0bar a -0.75bar, en el tubo del interruptor del proceso ENCENDIDO, la carga funciona, cuando es inferior a -0.75bar, APAGUE el tubo, la carga se detiene, cuando la presión de hasta -0,4 bar vuelva a funcionar.



Output



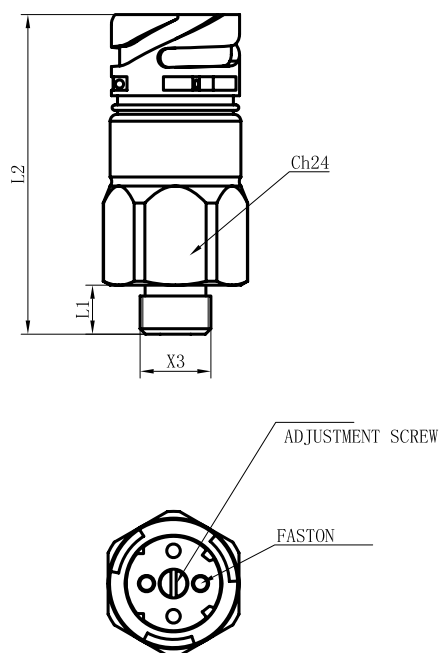
Specification

Model	ITADS704
Measurement Range	-1.0 ~ 0bar
Accuracy	±2.0% FS
Overload Pressure	Measurement Range×2
Bursting Pressure	Measurement Range×4
Media	Air and Non hazardous gas
Output	Switch tube output
Pressure Type	Absolute Pressure
Working Temperature	-40 ~ 120°C
Compensation Temperature	-20 ~ 85°C
Power Supply	12~30VDC
Operating Life	> 1000000 times
Response Time	20ms
Protection Grade	IP66
Shell Material	Al6061
Pressure Connection	G1/8
Output Driving Capability	≤20.0A
Max Duration	18s

Conversion: 1kgf/cm²=14.2psi 1bar=14.5psi

ITA701

High pressure switch



Dimension in:mm



ITA701 Order Ref NO

ITA701 -2 1 1 1 1 1 1 1
A B C D E F G H

Presostato tipo diafragma con conexión aérea
DIN72585 A1-2.1 y 300 bar de presión de seguridad
máxima

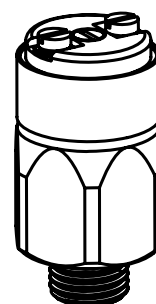
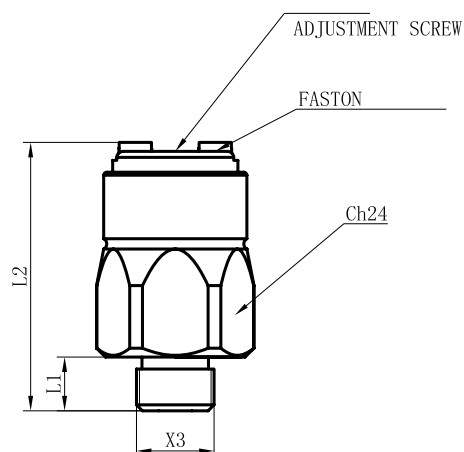
Number	Connection (X3)	L1	L2	Diaphragm	Body Material	Circuitry	Pressure Range	Tolerance
1	G1/8	B 9	C 58.5	D NBR	E Zinc-plated Steel	F NO	G 1-5bar	H ±0.3bar
2	A NPT1/8	9	58.5	FKM	Stainless Steel	NC	1-10bar	±0.5bar
3	M10×1	9	58.5	EPDM	/	/	10-20bar	±1bar
4	UNF7/16	9	58.5	HNBR	/	/	20-50bar	±2bar
5	G1/4	9	58.5	/	/	/	/	/
6	NPT1/4	9	58.5	/	/	/	/	/
7	G1/2	12	61.5	/	/	/	/	/

Specification

Model	ITA701
Body	Zinc-plated Steel/Stainless Steel
Contact	Silver cadmium alloy, can be gold plated
Max Voltage	42V
Max Currency	4A
Working Temperature Range	-40°C ~ +100°C (baesd on different diaphragm)
Life Endurance	10 ⁶
Electrical Life Endurance	10 ⁵
Pollution Situation	Normal
IP Level	IP67
Applicable Rule	EN 60730-1
Max Working Pressure	150bar
Burst Perssure	300bar
Weight	~85gr

ITA701A

High pressure switch



Dimension in:mm

ITA701A Order Ref NO

Interrupor de presión tipo diafragma con terminal de tornillo M3 y 300bar de presión de seguridad máxima

ITA701A-2 1 1 1 1 1 1 1
A B C D E F G H

Number	Connection (X3)	L1	L2	Diaphragm	Body Material	Circuitry	Pressure Range	Tolerance
1	G1/8	B 9	C 45	D NBR	E Zinc-plated Steel	F NO	G 1-5bar	H ±0.3bar
2	A NPT1/8	9	45	FKM	Stainless Steel	NC	1-10bar	±0.5bar
3	M10×1	9	45	EPDM	/	/	10-20bar	±1bar
4	UNF7/16	9	45	HNBR	/	/	20-50bar	±2bar
5	G1/4	9	45	/	/	/	/	/
6	NPT1/4	9	45	/	/	/	/	/
7	G1/2	12	48	/	/	/	/	/

Specification

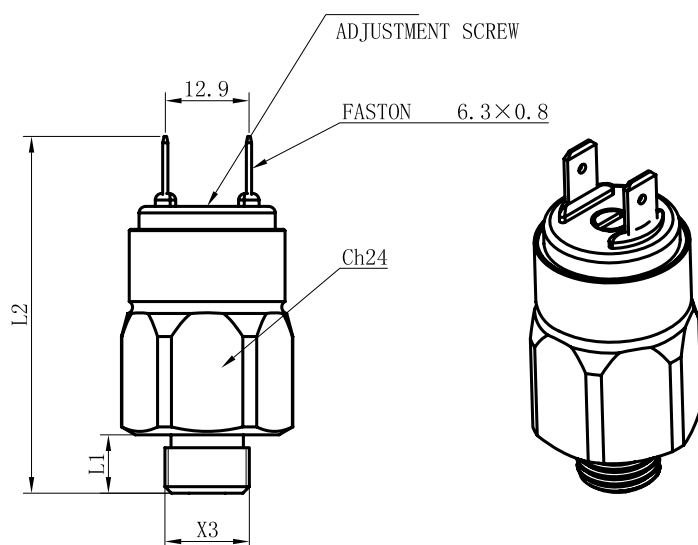
Model	ITA701A
Body	Zinc-plated Steel/Stainless Steel
Contact	Silver cadmium alloy, can be gold plated
Max Voltage	42V
Max Currency	4A
Working Temperature Range	-40°C~ +100°C (baesd on different diaphragm)
Life Endurance	10 ⁶
Electrical Life Endurance	10 ⁵
Pollution Situation	Normal
IP Level	IP00(without cover)
With Cover	IP54(rubber cover)
With Cover	IP67(potting resin cover)
Applicable Rule	EN 60730-1
Max Working Pressure	150bar
Burst Perssure	300bar
Weight	~85gr

Conversion:1kgf/cm²=14.2psi 1bar=14.5psi

www.itahydraulic.com

ITA701B

High pressure switch



Dimension in:mm

ITA701B Order Ref NO

ITA701B -2 1 1 1 1 1 1 1

A B C D E F G H

Interrupor de presión tipo diafragma con terminal de enchufe de 6.4 mm y 300 bar de presión de seguridad máxima

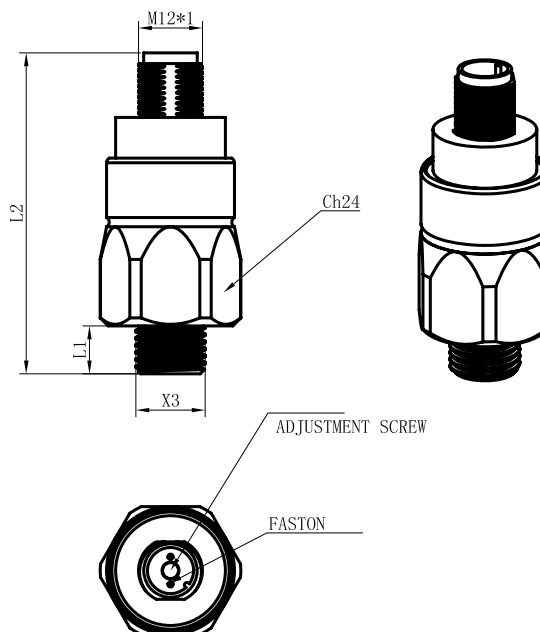
Number	Connection (X3)	L1	L2	Diaphragm	Body Material	Circuitry	Pressure Range	Tolerance
1	G1/8	B 9	C 55	D NBR	E Zinc-plated Steel	F NO	G 1-5bar	H ±0.3bar
2	A NPT1/8	9	55	FKM	Stainless Steel	NC	1-10bar	±0.5bar
3	M10×1	9	55	EPDM	/	/	10-20bar	±1bar
4	UNF7/16	9	55	HNBR	/	/	20-50bar	±2bar
5	G1/4	9	55	/	/	/	/	/
6	NPT1/4	9	55	/	/	/	/	/
7	G1/2	12	58	/	/	/	/	/

Specification

Model	ITA701B
Body	Zinc-plated Steel/Stainless Steel
Contact	Silver cadmium alloy, can be gold plated
Max Voltage	42V
Max Currency	4A
Working Temperature Range	-40°C~ +100°C (baesd on different diaphragm)
Life Endurance	10 ⁶
Electrical Life Endurance	10 ⁵
Pollution Situation	Normal
IP Level	IP00(without cover)
With Cover	IP54(rubber cover)
With Cover	IP67(potting resin cover)
Applicable Rule	EN 60730-1
Max Working Pressure	150bar
Burst Perssure	300bar
Weight	~85gr

ITA701C

High pressure switch



Dimension in:mm

ITA701C Order Ref NO

Presostato tipo diafragma con conexión DIN EN 61076-2- LFI y 300bar de presión máxima de seguridad

ITA701C -2 1 1 1 1 1 1 1
A B C D E F G H

Number	Connection (X3)	L1	L2	Diaphragm	Body Material	Circuitry	Pressure Range	Tolerance
1	G1/8	B 9	C 60	D NBR	E Zinc-plated Steel	F NO	G 1-5bar	H ±0.3bar
2	A NPT1/8	9	60	FKM	Stainless Steel	NC	1-10bar	±0.5bar
3	M10×1	9	60	EPDM	/	/	10-20bar	±1bar
4	UNF7/16	9	60	HNBR	/	/	20-50bar	±2bar
5	G1/4	9	60	/	/	/	/	/
6	NPT1/4	9	60	/	/	/	/	/
7	G1/2	12	63	/	/	/	/	/

Specification

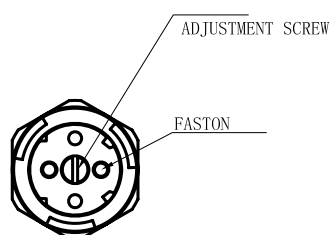
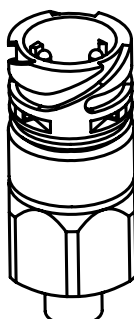
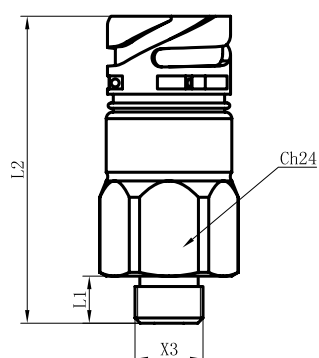
Model	ITA701B
Body	Zinc-plated Steel/Stainless Steel
Contact	Silver cadmium alloy, can be gold plated
Max Voltage	42V
Max Currency	4A
Working Temperature Range	-40°C~ +100°C (baesd on different diaphragm)
Life Endurance	10 ⁶
Electrical Life Endurance	10 ⁵
Pollution Situation	Normal
IP Level	IP67
Applicable Rule	EN 60730-1
Max Working Pressure	150bar
Burst Perssure	300bar
Weight	~85gr

Conversion:1kgf/cm²=14.2psi 1bar=14.5psi

www.itahydraulic.com

ITA702

High pressure switch



Dimension in:mm



38

ITA702 Order Ref NO

ITA702 -2 1 1 1 1 1 1 1
A B C D E F G H

Presostato tipo pistón con conexión
DIN72585 A1- 2.1 y 600 bar de presión
máxima de seguridad

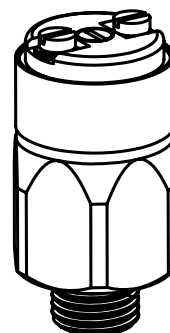
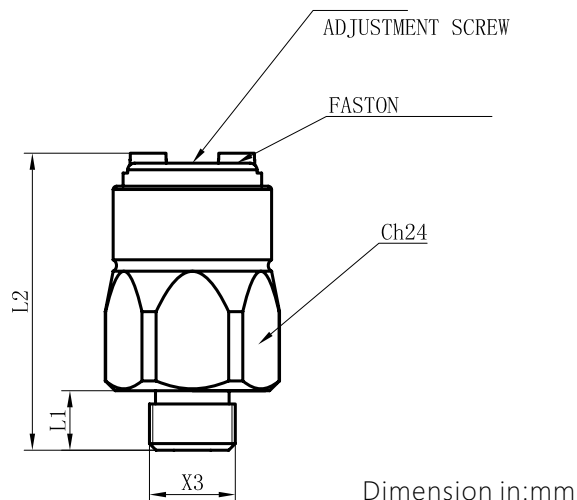
Number	Connection (X3)	L1	L2	O" Ring	Body Material	Circuitry	Pressure Range	Tolerance
1	G1/8	B 9	C 58.5	D NBR	E Zinc-plated Steel	F NO	G 50-150bar	H ±10bar
2	A NPT1/8	9	58.5	FKM	Stainless Steel	NC	100-200bar	±15bar
3	M10×1	9	58.5	EPDM	/	/	/	/
4	UNF7/16	9	58.5	HNBR	/	/	/	/
5	G1/4	9	58.5	/	/	/	/	/
6	NPT1/4	9	58.5	/	/	/	/	/
7	G1/2	12	61.5	/	/	/	/	/

Specification

Model	ITA702
Body	Zinc-plated Steel/Stainless Steel
Contact	Silver cadmium alloy, can be gold plated
Max Voltage	42V
Max Currency	4A
Working Temperature Range	-40°C~+100°C (baesd on different diaphragm)
Life Endurance	10 ⁶
Electrical Life Endurance	10 ⁵
Pollution Situation	Normal
IP Level	IP67
Applicable Rule	EN 60730-1
Max Working Pressure	450bar
Burst Perssure	600bar
Weight	~85gr

ITA702A

High pressure switch



Presostato tipo pistón con terminal de tornillo M3 y 600 bar de presión de seguridad máxima

ITA702A Order Ref NO

ITA702A-2 1 1 1 1 1 1 1
A B C D E F G H

Number	Connection (X3)	L1	L2	O" Ring	Body Material	Circuitry	Pressure Range	Tolerance
1	G1/8	B 9	C 45	D NBR	E Zinc-plated Steel	F NO	G 50-150bar	H ±10bar
2	A NPT1/8	9	45	FKM	Stainless Steel	NC	100-200bar	±15bar
3	M10×1	9	45	EPDM	/	/	/	/
4	UNF7/16	9	45	HNBR	/	/	/	/
5	G1/4	9	45	/	/	/	/	/
6	NPT1/4	9	45	/	/	/	/	/
7	G1/2	12	48	/	/	/	/	/

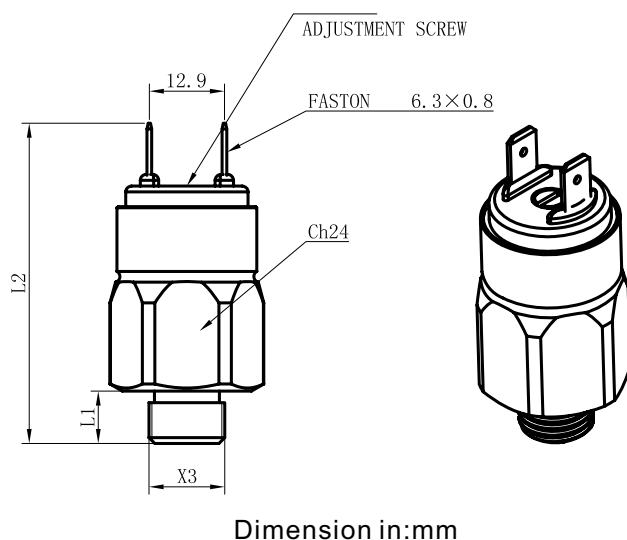
Specification

Model	ITA702A
Body	Zinc-plated Steel/Stainless Steel
Contact	Silver cadmium alloy, can be gold plated
Max Voltage	42V
Max Currency	4A
Working Temperature Range	-40°C~ +100°C (baesd on different diaphragm)
Life Endurance	10 ⁶
Electrical Life Endurance	10 ⁵
Pollution Situation	Normal
IP Level	IP00(without cover)
With Cover	IP54(rubber cover)
With Cover	IP67(potting resin cover)
Applicable Rule	EN60730-1
Max Working Pressure	450bar
Burst Perssure	600bar
Weight	~85gr

Conversion:1kgf/cm²=14.2psi 1bar=14.5psi

ITA702B

High pressure switch



ITA702B Order Ref NO

ITA702B -2 1 1 1 1 1 1

A B C D E F G H

Presostato tipo pistón con terminal de enchufe de 6,4 mm y 600 bar de presión de seguridad máxima

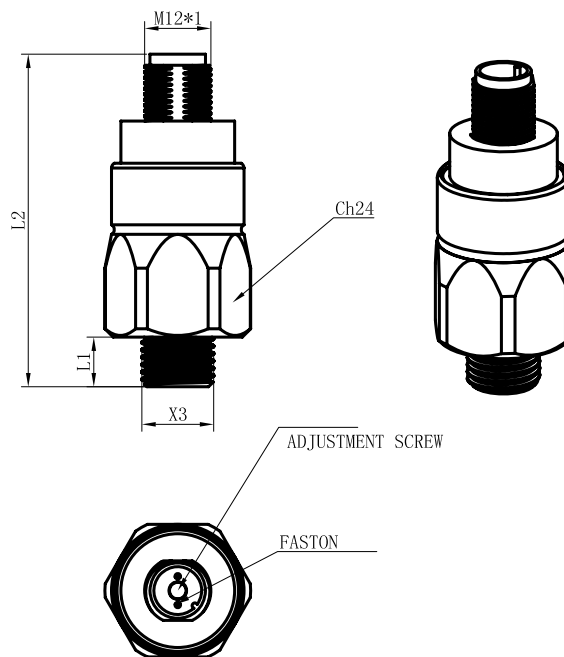
Number	Connection (X3)	L1	L2	O" Ring	Body Material	Circuitry	Pressure Range	Tolerance
1	G1/8	B 9	C 55	D NBR	E Zinc-plated Steel	F NO	G 50-150bar	H ±10bar
2	A NPT1/8	9	55	FKM	Stainless Steel	NC	100-200bar	±15bar
3	M10×1	9	55	EPDM	/	/	/	/
4	UNF7/16	9	55	HNBR	/	/	/	/
5	G1/4	9	55	/	/	/	/	/
6	NPT1/4	9	55	/	/	/	/	/
7	G1/2	12	58	/	/	/	/	/

Specification

Model	ITA702B
Body	Zinc-plated Steel/Stainless Steel
Contact	Silver cadmium alloy, can be gold plated
Max Voltage	42V
Max Currency	4A
Working Temperature Range	-40°C ~ +100°C (baesd on different diaphragm)
Life Endurance	10 ⁶
Electrical Life Endurance	10 ⁵
Pollution Situation	Normal
IP Level	IP00(without cover)
With Cover	IP54(rubber cover)
With Cover	IP67(potting resin cover)
Applicable Rule	EN 60730-1
Max Working Pressure	450bar
Burst Perssure	600bar
Weight	~85gr

ITA702C

High pressure switch



Dimension in:mm

ITA702C Order Ref NO

Presostato tipo pistón con conexión DIN EN 61076-2-LFI y 300bar de presión de seguridad máxima

ITA702C -2 1 1 1 1 1 1 1
A B C D E F G H

Number	Connection (X3)	L1	L2	O"Ring	Body Material	Circuitry	Pressure Range	Tolerance
1	G1/8	B 9	C 60	D NBR	E Zinc-plated Steel	F NO	G 50-150bar	H ±10bar
2	A NPT1/8	9	60	FKM	Stainless Steel	NC	100-200bar	±15bar
3	M10×1	9	60	EPDM	/	/	/	/
4	UNF7/16	9	60	HNBR	/	/	/	/
5	G1/4	9	60	/	/	/	/	/
6	NPT1/4	9	60	/	/	/	/	/
7	G1/2	12	63	/	/	/	/	/

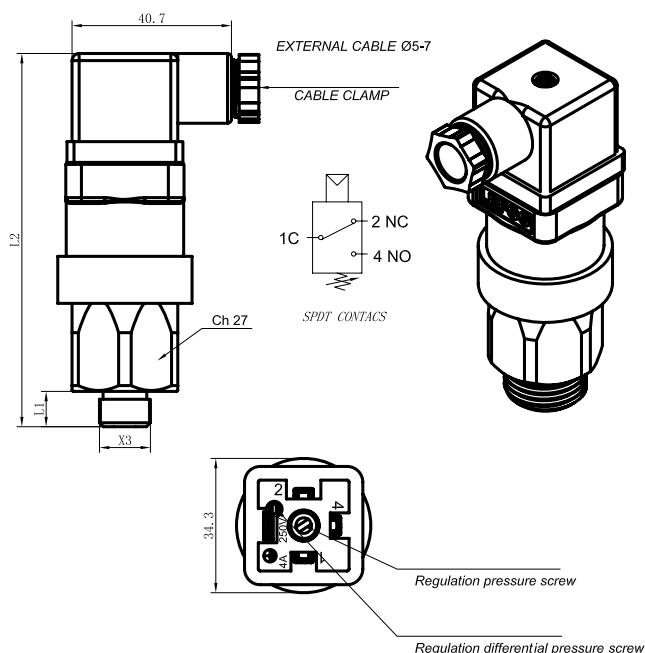
Specification

Model	ITA702C
Body	Zinc-plated Steel/Stainless Steel
Contact	Silver cadmium alloy, can be gold plated
Max Voltage	42V
Max Currency	4A
Working Temperature Range	-40°C~ +100°C (baesd on different diaphragm)
Life Endurance	10 ⁶
Electrical Life Endurance	10 ⁵
Pollution Situation	Normal
IP Level	IP67
Applicable Rule	EN 60730-1
Max Working Pressure	300bar
Burst Perssure	600bar
Weight	~85gr

Conversion:1kgf/cm²=14.2psi 1bar=14.5psi

ITA703

High pressure switch



Dimension in:mm



ITA703 Order Ref NO

ITA703 -2 1 1 1 1 1 1 1
A B C D E F G H

Presostato tipo diafragma con conexión DIN 43650-A
Hirschmann, SPDT y 300bar de presión máxima de
seguridad

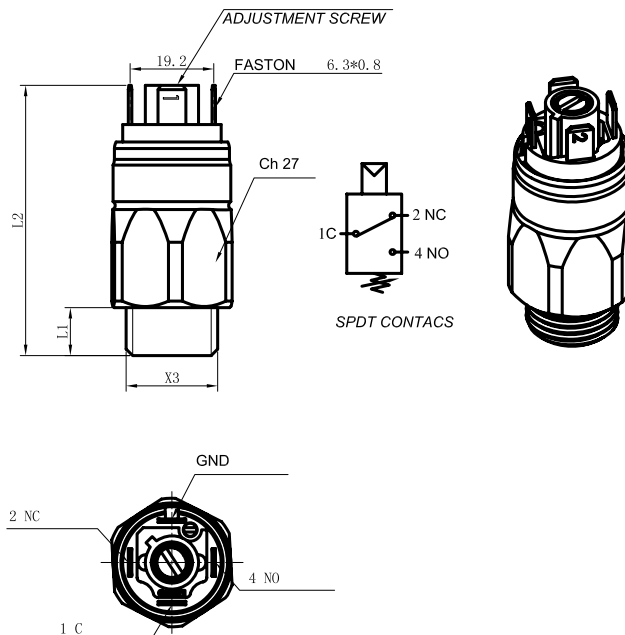
Number	Connection (X3)	L1	L2	Diaphragm	Body Material	Circuitry	Pressure Range	Tolerance
1	G1/8	B 9	C 95	D NBR	E Zinc-plated Steel	F NO	G 1-5bar	H ±0.3bar
2	A NPT1/8	9	95	FKM	Stainless Steel	NC	1-10bar	±0.5bar
3	M10×1	9	95	EPDM	/	/	10-20bar	±1bar
4	UNF7/16	9	95	HNBR	/	/	20-50bar	±2bar
5	G1/4	9	95	/	/	/	/	/
6	NPT1/4	9	95	/	/	/	/	/
7	G1/2	12	98	/	/	/	/	/

Specification

Model	ITA703
Body	Zinc-plated Steel/Stainless Steel
Contact	Silver cadmium alloy, can be gold plated
Max Voltage	42V
Max Currency	4A
Working Temperature Range	-40°C~ +100°C (baesd on different diaphragm)
Life Endurance	10 ⁶
Electrical Life Endurance	10 ⁵
Pollution Situation	Normal
IP Level	IP65
Applicable Rule	EN 60730-1
Max Working Pressure	150bar
Burst Perssure	300bar
Weight	~140gr

ITA703A

High pressure switch



Dimension in:mm

Interrupor de presión tipo diafragma Terminal de enchufe de 6.4 mm, SPDT y 300 bar de presión de seguridad máxima

ITA703A Order Ref NO

ITA703A-2 1 1 1 1 1 1

A B C D E F G

Number	Connection (X3)	L1	L2	Diaphragm	Body Material	Pressure Range	Tolerance
1	G1/8	B 9	C 60	D NBR	E Zinc-plated Steel	F 1-5bar	G ±0.3bar
2	A NPT1/8	9	60	FKM	Stainless Steel	1-10bar	±0.5bar
3	M10×1	9	60	EPDM	/	10-20bar	±1bar
4	UNF7/16	9	60	HNBR	/	20-50bar	±2bar
5	G1/4	9	60	/	/	/	/
6	NPT1/4	9	60	/	/	/	/
7	G1/2	12	63	/	/	/	/

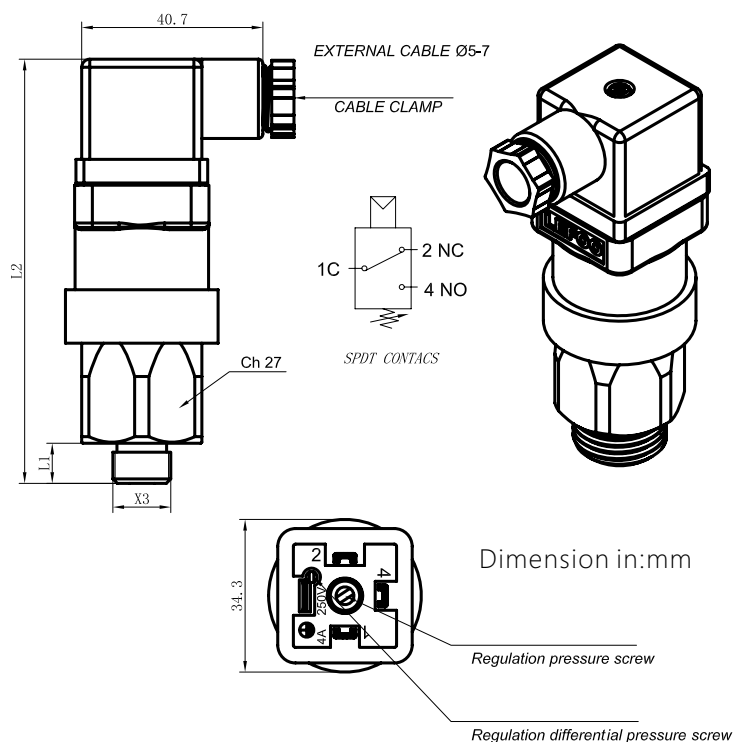
Specification

Model	ITA703A
Body	Zinc-plated Steel/Stainless Steel
Contact	Silver cadmium alloy, can be gold plated
Max Voltage	42V
Max Currency	4A
Working Temperature Range	-40°C~ +100°C (baesd on different diaphragm)
Life Endurance	10 ⁶
Electrical Life Endurance	10 ⁵
Pollution Situation	Normal
IP Level	IP65
Applicable Rule	EN 60730-1
Max Working Pressure	150bar
Burst Perssure	300bar
Weight	~95gr

Conversion:1kgf/cm²=14.2psi 1bar=14.5psi

ITA704

High pressure switch



ITA704 Order Ref NO

ITA704 -2 1 1 1 1 1 1 1

A B C D E F G H

Presostato tipo pistón con conexión DIN 43650-A
Hirschmann, SPDT y 600bar de presión de seguridad
máxima

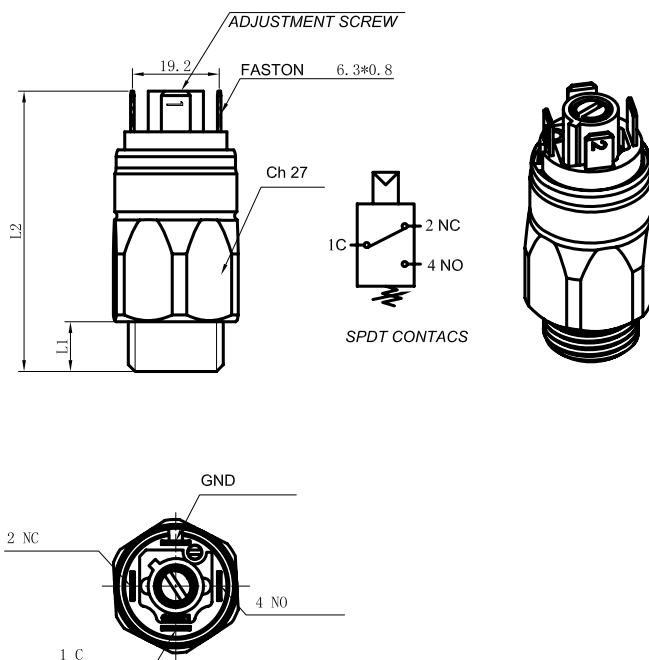
Number	Connection (X3)	L1	L2	Diaphragm	Body Material	Circuitry	Pressure Range	Tolerance
1	G1/8	B 9	C 95	D NBR	E Zinc-plated Steel	F NO	G 50-150bar	H ±10bar
2	A NPT1/8	9	95	FKM	Stainless Steel	NC	100-200bar	±15bar
3	M10×1	9	95	EPDM	/	/	/	/
4	UNF7/16	9	95	HNBR	/	/	/	/
5	G1/4	9	95	/	/	/	/	/
6	NPT1/4	9	95	/	/	/	/	/
7	G1/2	12	98	/	/	/	/	/

Specification

Model	ITA704
Body	Zinc-plated Steel/Stainless Steel
Contact	Silver cadmium alloy, can be gold plated
Max Voltage	42V
Max Currency	4A
Working Temperature Range	-40°C~ +100°C (baesd on different diaphragm)
Life Endurance	10 ⁶
Electrical Life Endurance	10 ⁵
Pollution Situation	Normal
IP Level	IP65
Applicable Rule	EN 60730-1
Max Working Pressure	450bar
Burst Perssure	600bar
Weight	~140gr

ITA704A

High pressure switch



Dimension in:mm

ITA704A Order Ref NO

Interrupor de presión tipo inmersión con terminal de enchufe de 6,4 mm, SPDT y 600 bar de presión de seguridad máxima

ITA704A-2 1 1 1 1 1 1

A B C D E F G

Number	Connection (X3)	L1	L2	O" Ring	Body Material	Pressure Range	Tolerance
1	G1/8	B 9	C 60	D NBR	E Zinc-plated Steel	F 50-150bar	G ±10bar
2	A NPT1/8	9	60	FKM	Stainless Steel	100-200bar	±15bar
3	M10×1	9	60	EPDM	/	/	/
4	UNF7/16	9	60	HNBR	/	/	/
5	G1/4	9	60	/	/	/	/
6	NPT1/4	9	60	/	/	/	/
7	G1/2	12	63	/	/	/	/

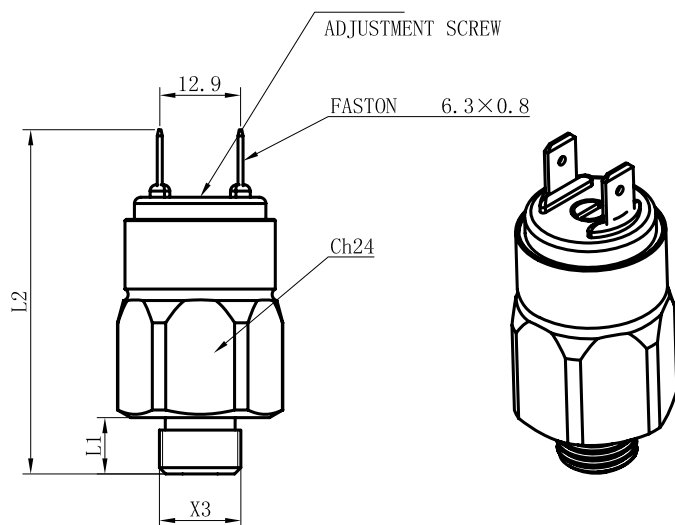
Specification

Model	ITA704A
Body	Zinc-plated Steel/Stainless Steel
Contact	Silver cadmium alloy, can be gold plated
Max Voltage	42V
Max Currency	4A
Working Temperature Range	-40°C ~ +100°C (baesd on different diaphragm)
Life Endurance	10 ⁶
Electrical Life Endurance	10 ⁵
Pollution Situation	Normal
IP Level	IP00
Applicable Rule	EN 60730-1
Max Working Pressure	450bar
Burst Perssure	600bar
Weight	~95gr

Conversion:1kgf/cm²=14.2psi 1bar=14.5psi

ITA705

High pressure switch



Dimension in:mm

ITA705 Order Ref NO

ITA705 -2 1 1 1 1 1 1

A B C D E F G

Interrupor de presión tipo diafragma con terminal de enchufe de 6,4 mm, cuerpo de bronce y 80 bar de presión de seguridad máxima

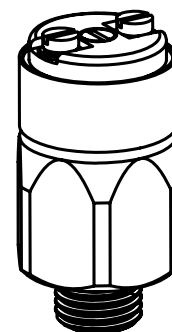
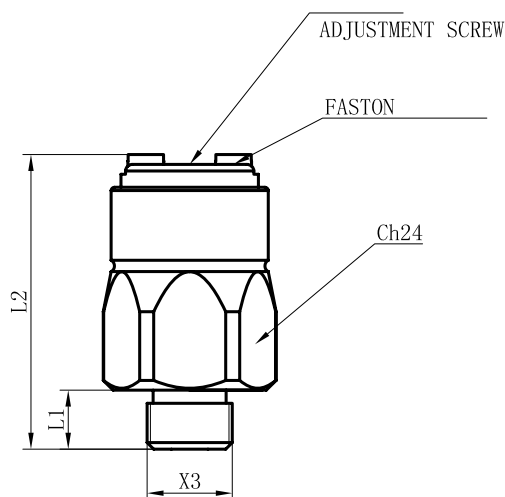
Number	Connection (X3)	L1	L2	Diaphragm	Circuitry	Pressure Range	Tolerance
1	G1/8	B 9	C 55	D NBR	E NO	F 1-5bar	G ±0.3bar
2	A NPT1/8	9	55	FKM	NC	1-10bar	±0.5bar
3	M10×1	9	55	EPDM	/	10-20bar	±1bar
4	UNF7/16	9	55	HNBR	/	/	/
5	G1/4	9	55	/	/	/	/
6	NPT1/4	9	55	/	/	/	/
7	G1/2	12	58	/	/	/	/

Specification

Model	ITA705
Body	Brass
Contact	Silver cadmium alloy, can be gold plated
Max Voltage	42V
Max Currency	4A
Working Temperature Range	-40°C~+100°C (baesd on different diaphragm)
Life Endurance	10 ⁶
Electrical Life Endurance	10 ⁵
Pollution Situation	Normal
IP Level	IP00(without cover)
With Cover	IP54(rubber cover)
With Cover	IP67(potting resin cover)
Applicable Rule	EN 60730-1
Max Working Pressure	40bar
Burst Perssure	80bar
Weight	~85gr

ITA705A

High pressure switch



Dimension in:mm

Interrupor de presión tipo diafragma con terminal de tornillo, cuerpo de latón y 80bar de presión de seguridad máxima

ITA705A Order Ref NO

ITA705A -2 1 1 1 1 1 1

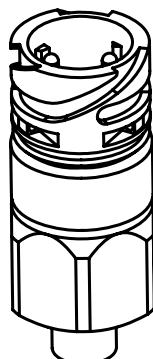
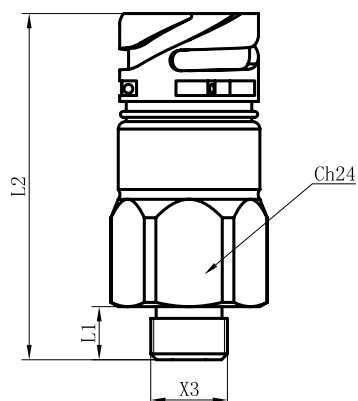
A B C D E F G

Number	Connection (X3)	L1	L2	Diaphragm	Circuitry	Pressure Range	Tolerance
1	G1/8	B 9	C 45	D NBR	E NO	F 1-5bar	G ±0.3bar
2	A NPT1/8	9	45	FKM	NC	1-10bar	±0.5bar
3	M10×1	9	45	EPDM	/	10-20bar	±1bar
4	UNF7/16	9	45	HNBR	/	/	/
5	G1/4	9	45	/	/	/	/
6	NPT1/4	9	45	/	/	/	/
7	G1/2	12	48	/	/	/	/

Specification

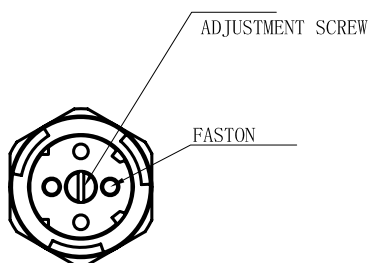
Model	ITA705A
Body	Brass
Contact	Silver cadmium alloy, can be gold plated
Max Voltage	42V
Max Currency	4A
Working Temperature Range	-40°C~ +100°C (baesd on different diaphragm)
Life Endurance	10 ⁶
Electrical Life Endurance	10 ⁵
Pollution Situation	Normal
IP Level	IP00(without cover)
With Cover	IP54(rubber cover)
With Cover	IP67(potting resin cover)
Applicable Rule	EN 60730-1
Max Working Pressure	40bar
Burst Perssure	80bar
Weight	~85gr

Conversion:1kgf/cm²=14.2psi 1bar=14.5psi



ITA705B

High pressure switch



Dimension in:mm

ITA05B Order Ref NO

ITA05B-2 1 1 1 1 1 1

A B C D E F G

Presostato tipo diafragma con conexión DIN72585
A1-2.1, cuerpo de bronce y 80bar de presión
máxima de seguridad

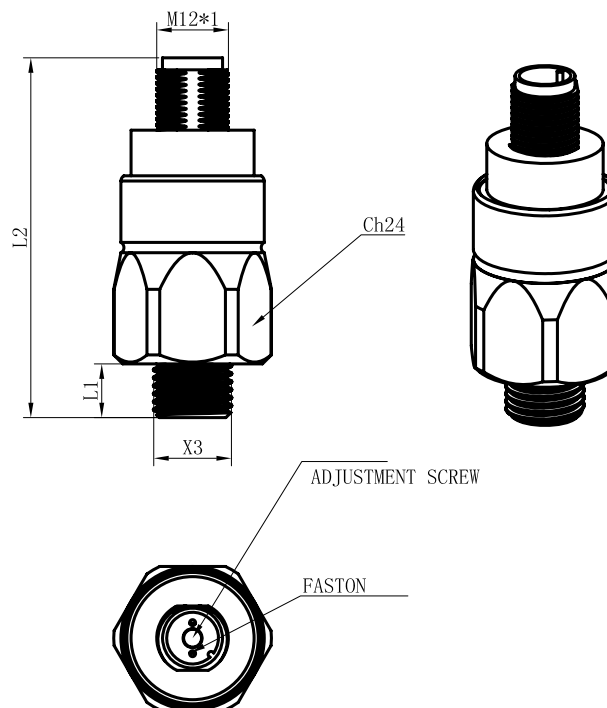
Number	Connection (X3)	L1	L2	Diaphragm	Circuitry	Pressure Range	Tolerance
1	G1/8	B 9	C 58.5	D NBR	E NO	F 1-5bar	G ±0.3bar
2	A NPT1/8	9	58.5	FKM	NC	1-10bar	±0.5bar
3	M10×1	9	58.5	EPDM	/	10-20bar	±1bar
4	UNF7/16	9	58.5	HNBR	/	/	/
5	G1/4	9	58.5	/	/	/	/
6	NPT1/4	9	58.5	/	/	/	/
7	G1/2	12	61.5	/	/	/	/

Specification

Model	ITA705B
Body	Brass
Contact	Silver cadmium alloy, can be gold plated
Max Voltage	42V
Max Currency	4A
Working Temperature Range	-40°C~ +100°C (baesd on different diaphragm)
Life Endurance	10 ⁶
Electrical Life Endurance	10 ⁵
Pollution Situation	Normal
IP Level	IP00(without cover)
Applicable Rule	EN 60730-1
Max Working Pressure	40bar
Burst Perssure	80bar
Weight	~85gr

ITA705C

High pressure switch



Dimension in:mm

Presostato tipo diafragma con terminal DIN EN 61076- 2-L, cuerpo de latón y 80bar de presión máxima de seguridad

ITA705C Order Ref NO

ITA705C -2 1 1 1 1 1 1

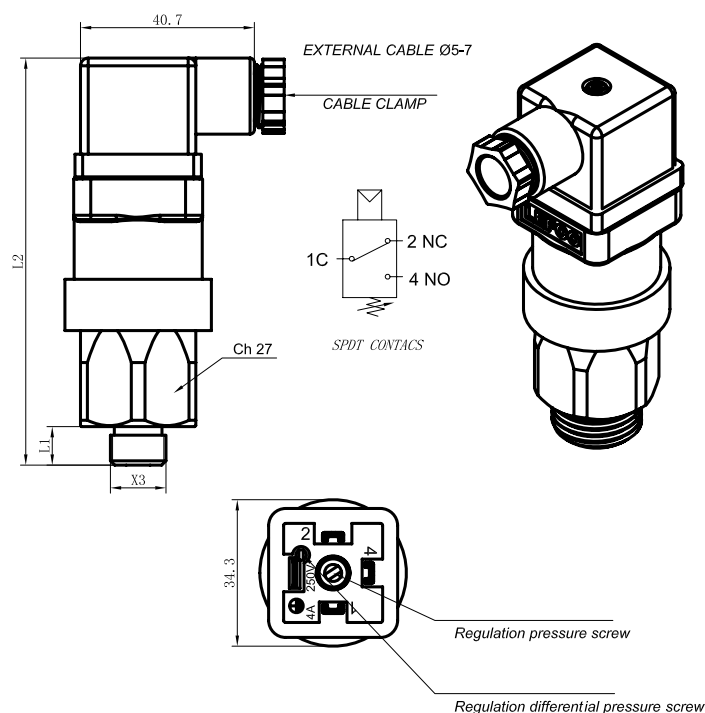
A B C D E F G

Number	Connection (X3)	L1	L2	Diaphragm	Circuitry	Pressure Range	Tolerance
1	G1/8	B 9	C 60	D NBR	E NO	F 1-5bar	G ±0.3bar
2	A NPT1/8	9	60	FKM	NC	1-10bar	±0.5bar
3	M10×1	9	60	EPDM	/	10-20bar	±1bar
4	UNF7/16	9	60	HNBR	/	/	/
5	G1/4	9	60	/	/	/	/
6	NPT1/4	9	60	/	/	/	/
7	G1/2	12	63	/	/	/	/

Specification

Model	ITA705C
Body	Brass
Contact	Silver cadmium alloy, can be gold plated
Max Voltage	42V
Max Currency	4A
Working Temperature Range	-40°C~ +100°C (baesd on different diaphragm)
Life Endurance	10 ⁶
Electrical Life Endurance	10 ⁵
Pollution Situation	Normal
IP Level	IP00(without cover)
Applicable Rule	EN 60730-1
Max Working Pressure	40bar
Burst Perssure	80bar
Weight	~85gr

Conversion:1kgf/cm²=14.2psi 1bar=14.5psi



Dimension in:mm

ITA706

High pressure switch



Presostato tipo diafragma con conexión DIN 43650-A Hirschmann, cuerpo de bronce y 80bar de presión máxima de seguridad

ITA706 Order Ref NO

ITA706 -2 1 1 1 1 1

A B C D E F

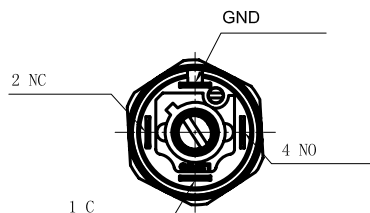
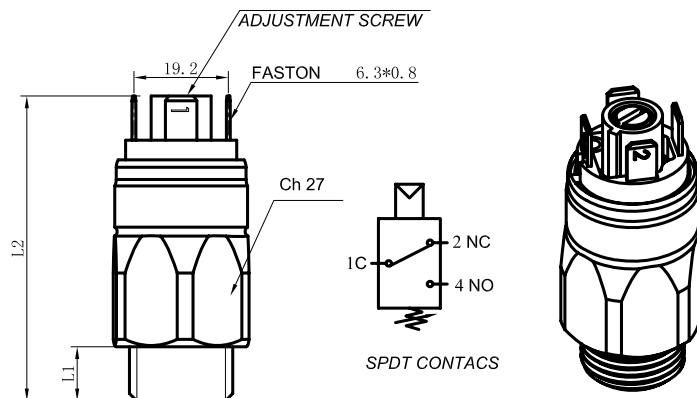
Number	Connection (X3)	L1	L2	Diaphragm	Pressure Range	Tolerance
1	G1/8	B 9	C 95	D NBR	E 1-5bar	F ±0.3bar
2	A NPT1/8	9	95	FKM	1-10bar	±0.5bar
3	M10×1	9	95	EPDM	10-20bar	±1bar
4	UNF7/16	9	95	HNBR	/	/
5	G1/4	9	95	/	/	/
6	NPT1/4	9	95	/	/	/
7	G1/2	12	98	/	/	/

Specification

Model	ITA706
Body	Brass
Contact	Silver cadmium alloy, can be gold plated
Max Voltage	42V
Max Currency	4A
Working Temperature Range	-40°C~ +100°C (baesd on different diaphragm)
Life Endurance	10 ⁶
Electrical Life Endurance	10 ⁵
Pollution Situation	Normal
IP Level	IP00(without cover)
Applicable Rule	EN 60730-1
Max Working Pressure	40bar
Burst Perssure	80bar
Weight	~140gr

ITA706A

High pressure switch



Dimension in:mm

Presostato tipo diafragma con conexión terminal 6,4mm, SPDT, cuerpo de bronce y 80bar de presión máxima de seguridad

ITA706A Order Ref NO

ITA706A-2 1 1 1 1 1

A B C D E F

Number	Connection (X3)	L1	L2	Diaphragm	Pressure Range	Tolerance
1	G1/8	B 9	C 60	D NBR	E 1-5bar	F ±0.3bar
2	A NPT1/8	9	60	FKM	1-10bar	±0.5bar
3	M10×1	9	60	EPDM	10-20bar	±1bar
4	UNF7/16	9	60	HNBR	/	/
5	G1/4	9	60	/	/	/
6	NPT1/4	9	60	/	/	/
7	G1/2	12	63	/	/	/

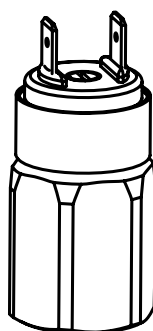
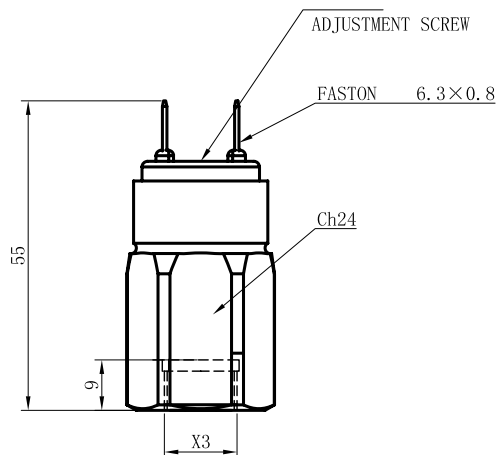
Specification

Model	ITA706A
Body	Brass
Contact	Silver cadmium alloy, can be gold plated
Max Voltage	42V
Max Currency	4A
Working Temperature Range	-40°C~+100°C (baesd on different diaphragm)
Life Endurance	10 ⁶
Electrical Life Endurance	10 ⁵
Pollution Situation	Normal
IP Level	IP00(without cover)
Applicable Rule	EN 60730-1
Max Working Pressure	40bar
Burst Perssure	80bar
Weight	~105gr

Conversion:1kgf/cm²=14.2psi 1bar=14.5psi

ITA707

High pressure switch



Dimension in:mm

ITA707 Order Ref NO

ITA707 -2 1 1 1 1 1 1 1

A B C D E F G H

Interruptor de presión tipo diafragma con tornillo hembra, terminal de enchufe de 6.4 mm y 300 bar de presión de seguridad máxima

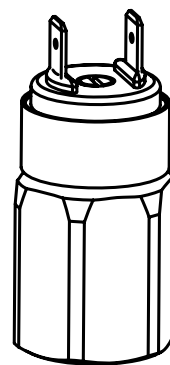
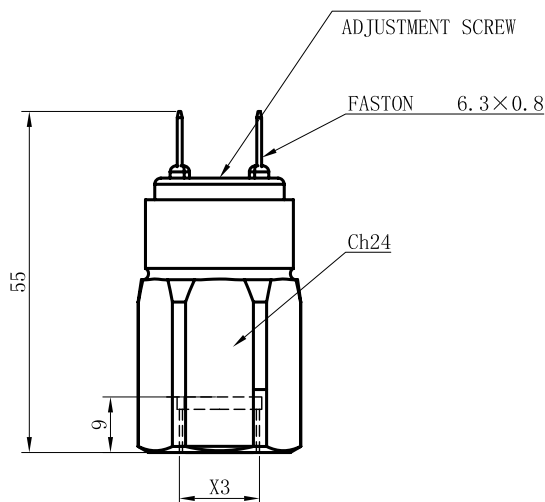
Number	Connection (X3)	L1	L2	Diaphragm	Body Material	Circuitry	Pressure Range	Tolerance
1	G1/8	B 9	C 55	DNBR	E Zinc-plated Steel	F NO	G 1-5bar	H ±0.3bar
2	A M12×1.5	9	55	FKM	Stainless Steel	NC	1-10bar	±0.5bar
3	M10×1	9	55	EPDM	/	/	10-20bar	±1bar
4	G1/4	9	55	HNBR	/	/	20-50bar	±2bar

Specification

Model	ITA707
Body	Zinc-plated Steel/Stainless Steel
Contact	Silver cadmium alloy, can be gold plated
Max Voltage	42V
Max Currency	4A
Working Temperature Range	-40°C~+100°C (baesd on different diaphragm)
Life Endurance	10 ⁶
Electrical Life Endurance	10 ⁵
Pollution Situation	Normal
IP Level	IP00(without cover)
With Cover	IP54(rubber cover)
With Cover	IP67(potting resin cover)
Applicable Rule	EN 60730-1
Max Working Pressure	40bar
Burst Perssure	80bar
Weight	~105gr

ITA708

High pressure switch



Dimension in:mm

Interrupor de presión de tipo diafragma con tornillo hembra, terminal de enchufe de 6,4 mm, cuerpo de latón y 80 bar de presión de seguridad máxima

ITA708 Order Ref NO

ITA708 -2 1 1 1 1 1 1 1

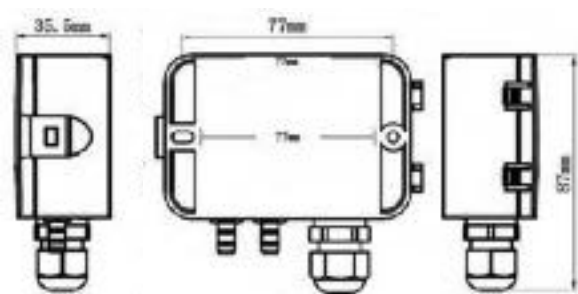
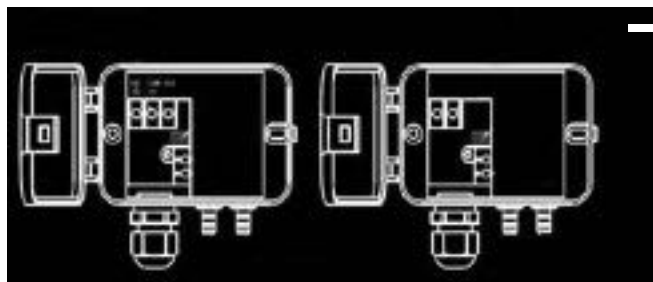
A B C D E F G H

Number	Connection (X3)	L1	L2	Diaphragm	Circuitry	Pressure Range	Tolerance
1	G1/8	B 9	C 55	D NBR	F NO	G 1-5bar	H ±0.3bar
2	A M12×1.5	9	55	FKM	NC	1-10bar	±0.5bar
3	M10×1	9	55	EPDM	/	10-20bar	±1bar
4	G1/4	9	55	HNBR	/	/	/

Specification

Model	ITA708
Body	Brass
Contact	Silver cadmium alloy, can be gold plated
Max Voltage	42V
Max Currency	4A
Working Temperature Range	-40°C~ +100°C (baesd on different diaphragm)
Life Endurance	10 ⁶
Electrical Life Endurance	10 ⁵
Pollution Situation	Normal
IP Level	IP00(without cover)
With Cover	IP54(rubber cover)
With Cover	IP67(potting resin cover)
Applicable Rule	EN 60730-1
Max Working Pressure	40bar
Burst Perssure	80bar
Weight	~105gr

Conversion:1kgf/cm²=14.2psi 1bar=14.5psi



Dimension in:mm

ITAM108

Differential
pressure transmitter



El transmisor de presión diferencial ITAM108 detecta la presión diferencial o la presión manométrica y luego convierte esta diferencia de presión en una señal de salida analógica proporcional. Se ofrecen dos versiones de salida: salida de voltaje de 0 ~ 10 V CC y una salida de corriente de 4-20 mA. El transmisor de presión diferencial LFM108 varía de 0 ~ ± 50Pa a 0 ~ ± 10000Pa.

ITAM108 Order Ref NO

ITAM108-101G or 051D - VZ

A B C

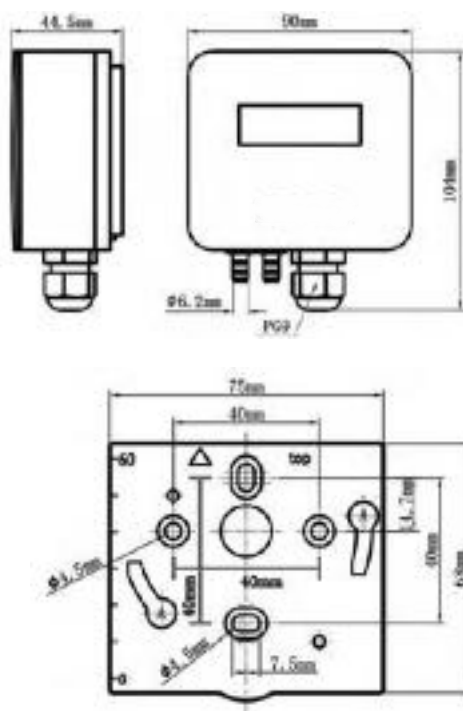
A one-way	B two-way	C Output
101G=0~100Pa	051D=0±50Pa	AL=4~20mA
251G=0~250Pa	101D=0±100Pa	VL=0~10VDC
501G=0~500Pa	251D=0±250Pa	VZ=0~5VDC
102G=0~1000Pa	501D=0±500Pa	
252G=0~2500Pa	102D=0±1000Pa	
502G=0~5000Pa	252D=0±2500Pa	
103G=0~10000Pa	502D=0±5000Pa	
	103D=0±10000Pa	

Specification

General	Value
Accuracy	±1.0%FS
Compensated temperatures	-10~60°C
Zero/Full range deviation%FS/%C	±0.01
Over pressure capacity	×15
Output signal	0~5/10VDC\3-wire;4~20mA\2-wire
Supply voltage	0~5/10VDC\12~30VDC;4~20mA\10~30VDC
An external load	0~5/10VDC\≥50KΩ;4~20mA\≤250Ω
Response time	0.5s,1s,2s,4s
Compensation temperature	-10~60°C
Operation Temperature	-10~60°C;-40~85°C
Shell material	Industrial plastic, flame retardant grade UL94-V0
Connection	Metal agnail interface , Ø6.2mm
Cable connector	Cable diameter Ø8mm
Weight	140g

ITAM11 SERIES

Differential
pressure transmitter



Dimension in:mm

El transmisor de presión diferencial ITAM110 / ITAM112 está diseñado para la automatización de edificios en la industria de HVAC / R, monitoreo de presión y flujo y prueba de baja presión diferencial en aplicaciones industriales.

ITAM11 Series Order Ref NO

ITAM110-N - A - C

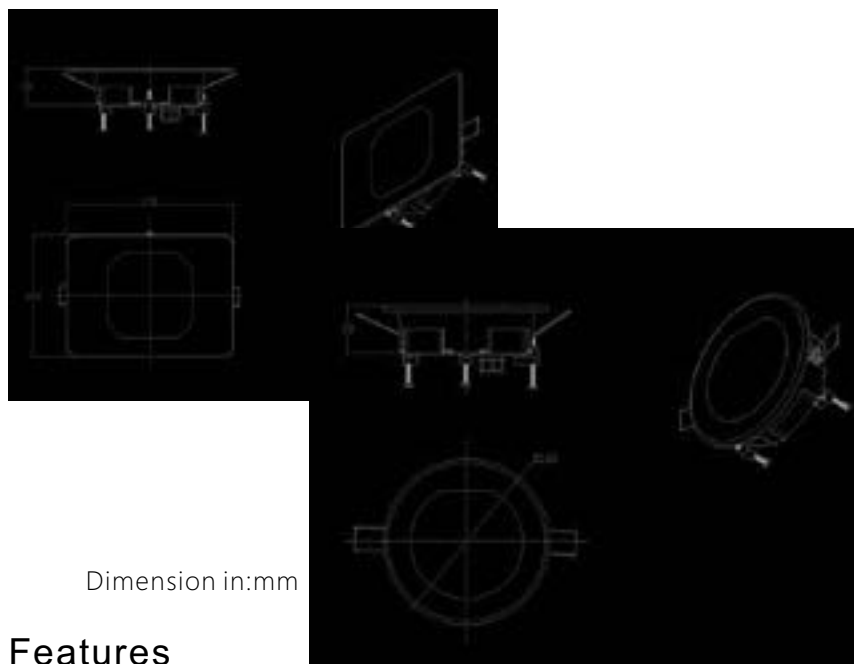
A B C D

A Span	B Display	C Output	D Accuracy
0=-1000~1000Pa	O=with display	A=4~20mA,0-5/10VDC	±1.0%FS
2=-10000~10000Pa	N=without display	B=4~20mA(2-wire)	
6=-100~100Pa		C=0~10VDC(3-wire)	
		D=0~5VDC(3-wire)	

Specification

General	Value								
Accuracy	±1.0%FS								
Unit	Pa,mmH ₂ O,mbar,inWG,mmHG,daPa,hPa								
Output signal	0~5/10VDC and 4~20mA simultaneous output, 4~20mA 2-wire 0~5VDC 3-wire,0~10VDC 3-wire								
Supply Voltage	16~30VDC/16~30VAC								
Power Supply	1.5W								
Response time	20ms,0.5s,1s,2s								
Resolution	LFM110:1Pa,1mmH ₂ O,0.01mbar,0.04inWG,0.007mmHG,0.1daPa,0.001kPa LFM112:0.01hPa LFM116:0.1Pa,0.01mmH ₂ O,0.001mbar,0.01daPa,0.001hPa								
Zero Point adjustment	Automatic with autozero element or with push button								
Measuring unit	Air or neutral gas								
Operation Temperature	-10~60°C								
Storage Temperature	-10~70°C								
Over pressure capacity	<table> <tr> <th>Range</th><th>Capacity</th></tr> <tr> <td>-1000~1000Pa</td><td>-15000~15000Pa</td></tr> <tr> <td>-10000~10000Pa</td><td>-150000~150000Pa</td></tr> <tr> <td>-100~100Pa</td><td>-4500~4500Pa</td></tr> </table>	Range	Capacity	-1000~1000Pa	-15000~15000Pa	-10000~10000Pa	-150000~150000Pa	-100~100Pa	-4500~4500Pa
Range	Capacity								
-1000~1000Pa	-15000~15000Pa								
-10000~10000Pa	-150000~150000Pa								
-100~100Pa	-4500~4500Pa								

Conversion:1in W.C.=249Pa 1MPa=100Pa



Dimension in:mm

Features

Non-polar Input: No need to differentiate the negative or positive input voltage sourcing lead.
Excellent Material: housing made of FR-ABS, satisfactory impact resistance and heat resistance etc.
Span: 0 ~ ±100Pa/0 ~ ±1,000Pa / 0 ~ ±10,000Pa Accuracy: ±1.0%FS.
Various switchable pressure units.
Big LCD screen.
Manual button of zero calibration.
Manual button of default reset.
Max. and min pressure value to review.
Settable response time.
Built-in buzzer with sound-light alarm, field programmable alarm pressure value.
Imported chip.
The Max. and Min. pressure range of discrete output can be set(only LFM32 Series).

ITAM3 Order Ref NO

ITAM30-0-W-P-B

A B C D E

A Version (remark)	B Span	C Output	D Installation Panel	E Inflow Way
0=Display	0=-1000~1000Pa	W=No output	P=Plastic	F=Front panel
2=Discrete output	2=-10000~10000Pa	R=Relay output	S=Stainless	B=Back panel
	6=-100~100Pa	N=NPN output		
		P=PNP output		

Specification

General	Value
Over pressure capacity	Span
	Overload Capacity
	-1000~+1000Pa
	-15,000~+15,000Pa
	-10000~+10000Pa
	-150000~+150000Pa
	-100~+100Pa
	-4500~+4500Pa
Accuracy	±1.0%FS
Unit	Pa, kPa,mBar,mmHG, inWC, mmWC,
Power Supply	Input Voltage:10~30VAC/VDC with24V DC adapter (3.5×1.35mm); Built-in 9V 6F22 battery(only LFM30 Series)
Consumption	≤0.75W
Fluid	Air or neutral fluid
Operation Temperature	-10~+60°C
Storage Temperature	-10~+70°C

ITAM3 SERIES

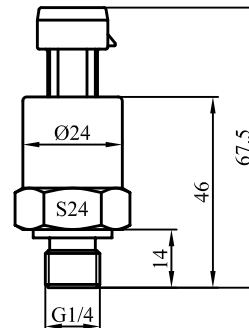
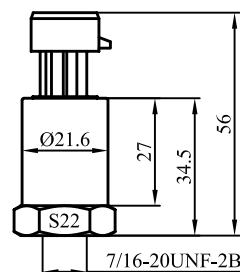
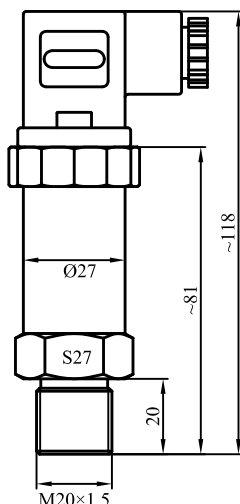
Differential pressure gauge



El manómetro diferencial digital serie ITAM3 utiliza sensores importados de alta precisión y tecnología de digitalización. Son de fácil instalación, pantalla LCD, lectura clara y precisa, y se pueden aplicar para medir las presiones del ventilador y del ventilador, la resistencia del filtro, la velocidad del aire, el tiro del horno, la caída de presión a través de las placas de orificio y el equipo de atención médica. Esta serie tiene tres versiones opcionales de salida discreta (relé, NPN y PNP), que se pueden aplicar de manera flexible para controlar los equipos externos.

ITA2000

Pressure transmitter



Dimension in:mm

El corazón del transmisor de presión ITA2000 es un sensor de presión de cerámica que se compensa con la temperatura y se recorta con láser para una calibración precisa del intervalo y la compensación. La ventaja típica es el tamaño compacto, que hace que sea conveniente instalarlo en espacios pequeños.

ITA2000 Order Ref NO

ITA2000- A4- 0~4.....60 - B - 1.5 - P - G - 1.0
A B C D E F G

A Output : A4=4~20mA;V05=0.5~4.5V;V0=0~5V;V1=1~5V;V10=0~10V

B Measurement range

C Unit of measure:K=kPa;M=MPa;P=psi;B=bar

D Accuracy:0.5=0.5%F.S;1=1.0%F.S

E Electrical connector:P=Packard;D=Din43650C;M=M12;C=Cable

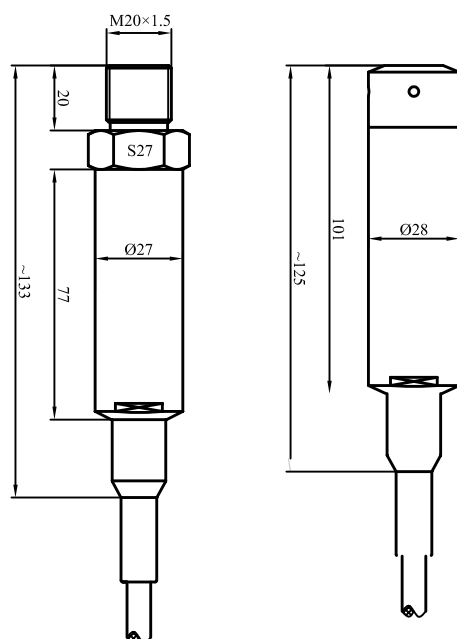
F Pressure connection:G=G1/4;N=NPT1/4;R=R1/4;U=7/16-20UNF;M=M20×1.5;N2=NPT1/2;G2=G1/2;R2=R1/2

G Cable length(m)

Specification

General	Value			
Measurement Range	-1~0.....100bar、0~2.....3bar、0~4.....60bar(normal range)、0~61.....600bar			
Overload Pressure	1.5 times of full scales			
Burst Pressure	3 times of full scales			
Accuracy	±0.5%F.S、 ±1.0%F.S			
Long Term Stability	Typical value:0.5%F.S Maximum:1%F.S			
Working Temperature	-40℃~100℃			
Compensated Temperature	-10℃~80℃			
Storage Temperature	-50℃~125℃			
Medium Compatibility	All corrosive medium compatible with 1Cr18Ni9Ti stainless steel and ceramic			
Output Mode	Two-wired	Three-wired		
Output	4~20mA	0.5~4.5V	0/1~5V	0~10V
Power Supply	10~30VDC	5VDC	10~30VDC/AC	12~30VDC/AC
Load Resistance	(U-10) /0.02(Ω)	> 100K(Ω)		
Insulation	> 100M(Ω)@50V			
Electrical Connection	Packard, DIN43650C,DIN72585,M12 , Cable			
Protection Grade	IP67			
Pressure Connection	Male G1/4,NPT1/4,7/16-20UNF,M20×1.5,G1/ (Female and other connection is available on request)			
Response Time	10ms			
Pressure Form	Gauge pressure			
Electromagnetic Compatibility	Electromagnetic transmit:EN50081-1/-2;Electromagnetic sensitivity:EN50082-2			

Conversion:1kgf/cm²=14.2psi 1bar=14.5psi



Dimension in:mm

ITA3000 Order Ref NO

ITA3000 - 100 - A4 - 0.25 - G - 1.0 medio ambiente.

A B C D E

A Measurement range(mH2O)

B Output:A4=4~20mA;V05=0. 5~4. 5V;V0=0~5V;V1=1~5V;V10=0~10V

C Accuracy: 0. 25=0. 25%F. S;0. 5=0. 5%F. S

D Pressure connection: G=G1/4;T=Dive type

E Cable length(m)

ITA3000

Liquid level
pressure transmitter



La serie ITA3000 es un transmisor de nivel de líquido altamente confiable y preciso. Puede ser ampliamente utilizado en la medición de la presión del líquido y el nivel del líquido, como agua, aceite y otros líquidos con baja corrosión.

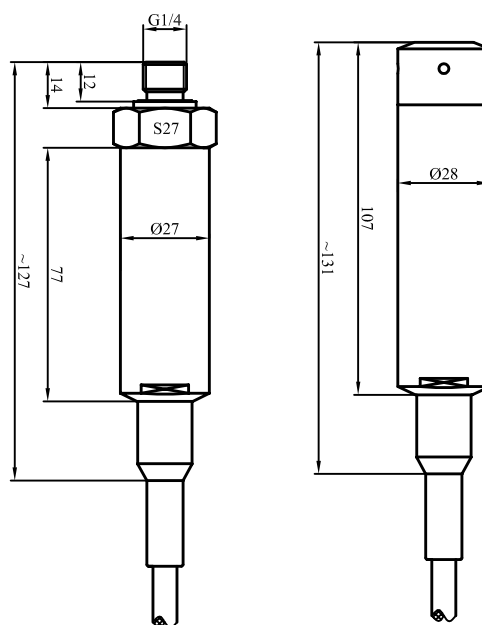
Cuenta con estructura de acero inoxidable, amplificador especial y placa de circuito del transmisor V / I, lo que facilita la calibración del punto cero y la escala completa. El transmisor es resistente al aceite y ácido.

Specification

General	Value			
Measurement Range	0~1……500mH2O			
Overload Pressure	1.5 times of full scales			
Burst Pressure	3 times of full scales			
Accuracy	±0.25%F.S、 ±0.5%F.S			
Long Term Stability	Typical value:0.1%F.S Maximum:0.2%F.S			
Working Temperature	-40℃~85℃			
Compensated Temperature	-10℃~70℃			
Medium Compatibility	All corrosive medium compatible with 1Cr18Ni9Ti and 316L			
Output Mode	Two-wired	Three-wired		
Output	4~20mA	0.5~4.5V	0/1~5V	0~10V
Power Supply	12~36VDC	5VDC	10~36VDC/AC	12~36VDC/AC
Load Resistance	(U-10)/0.02(Ω)	>100K(Ω)		
Insulation	>100M(Ω)@50V			
Electrical Connection	Waterproof cover+Two rectangular ring+Seal ring+Sealant+Glue,Protection:IP68			
Pressure Connection	G1/4 thread or Dive type			
Response Time	10ms			
Pressure Form	Gauge pressure			
Electromagnetic Compatibility	Electromagnetic transmit:EN50081-1/-2;Electromagnetic sensitivity:EN50082-2			
Lightning-proof	Air conduction voltage 8000V,shell or cable conduction voltage 4000V; Can also be provided according to customer's requirement			

ITA3800

Digital
pressure transmitter



Dimension in:mm

El transmisor de presión ITA3800 es un producto que se caracteriza por su alta confiabilidad, alta estabilidad y salida digital. Es ampliamente utilizado en pruebas de presión de gases y líquidos, como agua, petróleo, líquidos y gases peligrosos. Este producto adopta una estructura de acero inoxidable 1Cr18Ni9Ti y una salida RS485.

ITA3800 Order Ref NO

ITA3800-100 - - 0.5 - G - 1.0

A B C D

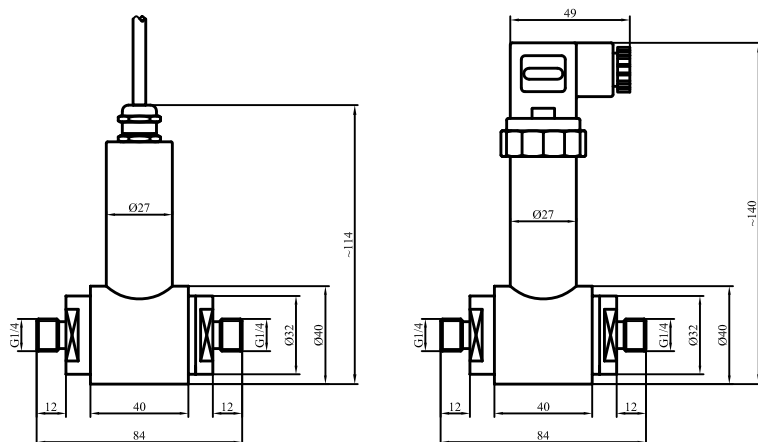
A Measurement range(mH2O)	B Accuracy	C Pressure connection	D Cable length (m)
	0. 5=±0. 5%F. S	G=G1/4	
		G2=G1/2	
		M=M20×1.5	
		R2=R1/2	
		N2=NPT1/2	

Specification

General	Value
Measure Range	0~2……200mH2O
Overload Pressure	1.5 times full scale
Broken Pressure	3 times full scale
Accuracy	±0.5%F.S
Stability	Typical 0.2%F.S per year
Operating Temperature	-40°C~85°C
Medium Compatibility	Corrosive medium compatible with stainless steel Cr18Ni9Ti
Signal Output	Rs485
Power Supply	10~30Vdc
Insulation	> 100M Ω@50V
Electrical connection	Waterproof solid line sets
Pressure connection	Investment style, Threaded:M20×1.5、 G1/4、 G1/2、 R1/2、 NPT1/2
Pressure type	Gauge G, Sealed gauge S
Response Time	10ms
Electro Magnetic Compatibility	EM: EN50081-1/-2; EMS: EN50082-2

ITA1500

Differential pressure transmitter



Dimension in:mm



El transmisor de presión diferencial ITA1500 se caracteriza por la interferencia anti-electromagnética y la prueba de iluminación. Es ampliamente utilizado en la prueba de presión diferencial de agua y líquidos.

ITA1500 Order Ref NO

ITA1500-A4-100- K-0.25-H-GF-1.0

A B C D E F G

A Output:A4=4~20mA;V0=0~5V;V1=1~5V;V10=0~10V

B Measurement range

C Unit of measure:K=kPa;M=MPa;P=psi;B=bar

D Accuracy:0.25=±0.25%F.S;0.5=±0.5%F.S

E Electrical connector:H=DIN43650-A;GX=GX16-7;C=Cable

F Pressureconnection:GF=G1/4Female;GM=G1/4Male;M=M20×1.5;RG=Φ8Airtap

G Cable length(m)

Specification

General		Value	
Measurement Range	0~±5kPa……±5000kPa		
Overload Pressure	1.5 times of full scales		
Burst Pressure	3、 5、 10 times of full scales , 20MPa		
Accuracy	±0.25%F.S、 ±0.5%F.S		
Long Term Stability	Typical value:0.1%F.S Maximum:0.2%F.S		
Working Temperature	-40℃~85℃		
Compensated Temperature	-10℃~70℃		
Medium Compatibility	All corrosive medium compatible with 1Cr18Ni9Ti and 316L		
Output Mode	Two-wired	Three-wired	
Output	4~20mA	0/1~5V	0~10V
Power Supply	12~30VDC	8~36VDC/AC	11~30VDC/AC
Load Resistance	(U-10)/0.02(Ω)	> 100K(Ω)	
Insulation	> 100M(Ω)@50V		
Electric strength	500V@60 second		
Impulse current	10g/5~2000Hz,axes X/Y/Z20g sine 11ms		
Protection class	water resistant wire leads,IP68;DIN43650,cover IP65		
Response Time	10ms		
Pressure endurance	2×10 ⁶ pressure circles@25℃		
Electromagnetic Compatibility	Electromagnetic transmit:EN50081-1/-2;Electromagnetic sensitivity:EN50082-2		
Lightning-proof	Air conduction voltage 8000V, shell or cable conduction voltage 4000V; Can also be preovided according to customer's requirement		

Conversion:1bar=14.5psi=100kPa

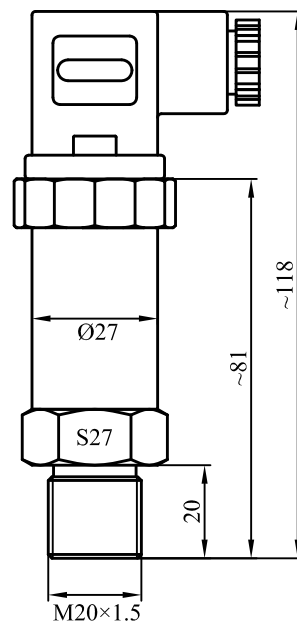
ITA1050

High accuracy
pressure transmitter



La serie ITA1050 son los productos rentables que ofrecen producción en masa, bajo costo, amplia aplicación para productos industriales y civiles. Es ampliamente utilizado para medir la presión de gas y líquido, como agua, petróleo y líquidos y gases corrosivos suaves.

El producto está hecho de acero inoxidable 1Cr18Ni9Ti y con elementos sensores de presión seleccionados de una marca internacional reconocida. Los circuitos especiales para el adaptador V / I hacen que la calibración de rango cero y completo sea más conveniente. Se proporcionan salidas de corriente CA / CC no polar de dos hilos y de tres hilos. Se pueden diseñar estructuras personalizadas y formatos de salida de acuerdo con los requisitos de aplicaciones especiales, además de los productos estándar.



Dimension in:mm

ITA1050 Order Ref NO

ITA1050-A4-1.0 - M-0.25 -H -G -1.0

A B C D E F G

A Output:A4=4~20mA;V05=0. 5~4. 5V;V0=0~5V;V1=1~5V;V10=0~10V

B Measurement range

C Unit of measure : K=kPa;M=MPa;P=psi;B=bar

D Accuracy: 0. 25=±0. 25%F. S;0. 5=±0. 5%F. S

E Electrical connector: H=DIN43650-A;GX=GX16-7;C=Cable

F Pressure connection:G=G1/4;N=NPT1/4;R=R1/4;U=7/16-20UNF;M=M20×1. 5;N2=NPT1/2;G2=G1/2;R2=R1/2

G Cable length (m)

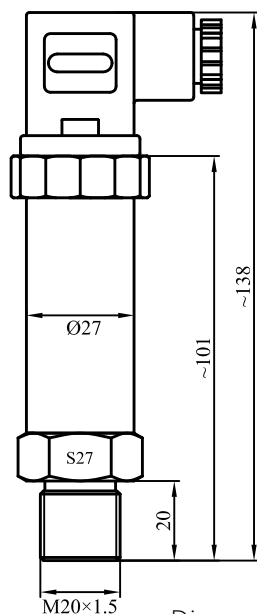
Specification

General	Value			
Measurement Range	0~2……600bar			
Overload Pressure	1.5 times of full scales			
Burst Pressure	3 times of full scales			
Accuracy	±0.5%F.S			
Long Term Stability	Typical value:0.25%F.S Maximum:0.4%F.S			
Working Temperature	-40℃~85℃			
Compensated Temperature	-10℃~70℃			
Medium Compatibility	ALL corrosive medium compatible with 1Cr18Ni9Ti			
Output Mode	Two-wired	Three-wired		
Output	4~20mA	0.5~4.5V	0/1~5V	0~10V
Power Supply	12~30VDC	5VDC	10~30VDC/AC	12~30VDC/AC
Load Resistance	(U-10) /0.02(Ω)	> 100K(Ω)		
Insulation	> 100M(Ω)@50V			
Electrical Connection	Packard,DIN 43650C,DIN72585,M12,Cable			
Pressure Connection	Male G1/4,G1/2,NPT1/4,NPT1/2,M20×1.5			
Response Time	10ms			
Pressure Form	Gauge pressure			
Electromagnetic Compatibility	Electromagnetic transmit:EN50081-1/-2;Electromagnetic sensitivity:EN50082-2			

Conversion:1bar=14.5psi 1MPa=10bar

ITA1030

High accuracy
pressure transmitter



Dimension in:mm



ITA1030 Order Ref NO

ITA1030-A4- 1.0- M- 0.25- H- G- 1.0

A B C D E F G

El transmisor de presión ITA1030 es un producto que se caracteriza por su alta precisión, alta confiabilidad, alta rentabilidad y rango flexible. Es ampliamente utilizado en pruebas de presión de gases y líquidos, como agua, petróleo, líquidos y gases peligrosos.

A Output:A4=4~20mA; V0=0~5V;V1=1~5V;V10=0~10V

B Measurement range

C Unit of measure:K=kPa;M=MPa;P=psi;B=bar

D Accuracy:0. 25=±0. 25%F. S

E Electrical connector:H=DIN43650-A;GX=GX16-7;C=Cable

F Pressure connection:G=G1/4;N=NPT1/4;R=R1/4;U=7/16-20UNF;M=M20×1. 5;N2=NPT1/2;G2=G1/2;R2=R1/2

G Cable length(m)

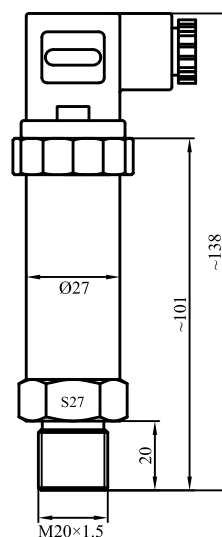
Specification

General	Value				
Measurement Range	0~2.....600bar				
Overload Pressure	1.5 times of full scales				
Burst Pressure	3 times of full scales				
Accuracy	±0.5%F.S				
Long Term Stability	Typical value:0.25%F.S Maximum:0.4%F.S				
Working Temperature	-40℃~85℃				
Compensated Temperature	-10℃~70℃				
Medium Compatibility	ALL corrosive medium compatible with 1Cr18Ni9Ti				
Output Mode	Two-wired	Three-wired			Four-wired
Output	4~20mA	0~20mA\0~10VAC	0/1~5V	0.5~3/4.5V	0~20mA、 0~5/10VDC
Power Supply	10~30VDC	11~30VDC	8~24VDC	5V Ratio	8/11~30VDC
Load Resistance	(U-10) /0.02(Ω)	Current model: (U-12) /0.02(Ω) ; Voltage model: > 20K(Ω)			
Insulation	> 100M(Ω)@50V				
Electrical Connection	DIN63650,IP65;GX16-7,IP45;Wire,IP68				
Pressure Connection	G1,G1/4,G1/2,NPT1/4,NPT1/2,R1/4,M20×1.5,(Ht)				
Response Time	10ms				
Electromagnetic Compatibility	Electromagnetic transmit:EN50081-1/-2;Electromagnetic sensitivity:EN50082-2				

Conversion:1bar=14.5psi 1MPa=10bar

ITA1700

Pressure transmitter



Dimension in:mm

El transmisor de presión de la serie ITA1700 se utiliza para el control de medición de vacío absoluto, que ha resuelto completamente el problema de la medición de vacío difícil. Todas las conexiones de presión y conexiones eléctricas existentes están disponibles para el transmisor de presión de la serie ITA1700.

ITA1700 Order Ref NO

ITA1700-A4-1.0-M- 0.25 -H - G- 1.0

A B C D E F G

A Output	B Measurement range	C Unit of measure	D Accuracy	E Electrical connector	F Pressure connection	G Cable length(m)
A4=4~20mA		K=kPa	0.25=±0.25%F.S	H=DIN43650-A	G=G1/4	
V0=0~5V		M=MPa		GX=GX16-7	N=NPT1/4	
V1=1~5V		P=psi		C=Cable	R=R1/4	
V10=0~10V		B=bar			U=7/16-20UNF	
					M=M20×1.5	
					N2=NPT1/2	
					G2=G1/2	
					R2=R1/2	

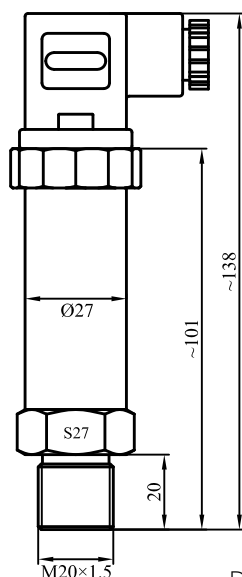
Specification

General	Value		
Measuring Range	Absolute pressure 0.1.....400bar		
Overload Capability	1.5 times full scale		
Burst Pressure	3 times full scale		
Accuracy	±0.25%F.S,±0.5%F.S		
Stable	Typically 0.25%F.S., MAX: 0.4%F.S		
Medium Temperature Range	-40℃~85℃ (-40℃~125℃ is available on request)		
Compensated Temperature	-10℃~70℃		
Medium	compatible with stainless steel1Cr18Ni9Ti		
Electrical overview	2 wire	3 wire	
Output	4~20mA	0~5V	0~10V
Power Supply	10~30VDC	6~24VDC\10~36VAC	11~30VDC\20~36VAC
Load	(U-10) /0.02(Ω)	> 100K(Ω)	
Insulation reistance	> 100M(Ω)@50V		
Electrical Connection	DIN43650,Protecting Class IP65		
	GX16-7,Protecting Class IP45		
	waterproof wire lead (Class 5) ,Protecting Class IP68		
Pressure Connection	M20×1.5, G1/2, G1/4, NPT1/4, NPT1/2		
Response time	10ms		
Electro Magnetic Compatibility	EN50081-1/-2 ; EN50082-2		

Conversion:1bar=14.5psi 1MPa=10bar

ITA1800

Pressure transmitter



Dimension in:mm



El transmisor de presión de diafragma ITA1800 es un producto que se caracteriza por su alta resistencia a la temperatura, amplio rango y alta precisión. Es ampliamente utilizado en pruebas de presión de gases y líquidos, como agua, petróleo, líquidos y gases peligrosos. El núcleo de diafragma tiene una capa de aislamiento sobre el núcleo mediante un método químico. Luego, el puente de Wheatstone del tipo diafragma metálico y la compensación de temperatura se rocian sobre el cuerpo aislado. Por último, cubra una capa de material aislante sobre la resistencia del diafragma metálico. El puente de Wheatstone del diafragma metálico se deformará de acuerdo con la deformación del núcleo, que se ve afectada por la presión y dará una salida lineal.

ITA1800 Order Ref NO

ITA1800-A4-100-K- 0.25- H- GF- 1.0

A B C D E F G

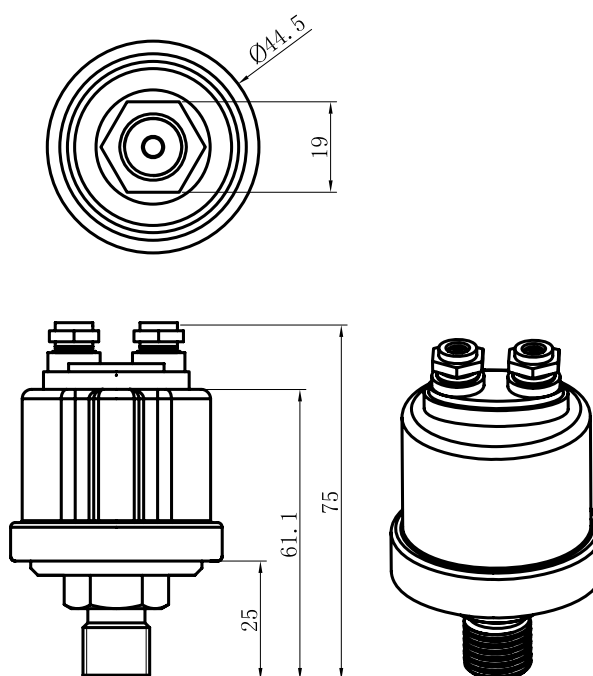
A Output	B Measurement range	C Unit of measure	D Accuracy	E Electrical connector	F Pressure connection	G Cable length(m)
A4=4~20mA		K=kPa	0.25=±0.25%F.S	H=DIN43650-A	GF=G1/4	
V0=0~5V		M=MPa	0.5=±0.5%F.S	GX=GX16-7	GM=G1/4 male screw	
V1=1~5V		P=psi		C=Cable	M=M20×1.5	
V10=0~10V		B=bar	CW=Waterproof joint qualification		RG=Φ8 air faucet	

Specification

General	Value		
Measuring Range	0~1.....2000bar		
Overload capability	2 times full scale		
Burst pressure	4 times full scale		
Accuracy	±0.1%F.S、 ±0.25%F.S、 ±0.5%F.S		
Stable	typically 0.25%F.S per year, 0.4%F.S(Max) per year		
Medium temperature range	- 50°C~150°C (- 50°C~230°C is available on request)		
Compensated Temperature	- 20°C~120°C		
Medium	Liquids and gases, compatible with stainless steel1Cr18Ni9Ti		
Electrical overview	2 wire	3 wire	4 wire
Output	4~20mA	0~20mA 0~10mA	0~5/10V
Power Supply	12~30VDC	12~30VDC	12~30VDC
Load	(U-10) /0.02(Ω)	(U-10) /0.02(Ω)	> 20K(Ω)
Insulation reistance	> 100M(Ω)@50V		
Insulation voltage	500V@60 second		
Vibration /Constant shock	10g/5~2000Hz, axes X/Y/Z20g sine 11ms		
Life	2×10 ⁶ cycles @25°C		
Electrical Connection	DIN43650C, M12 Series, Packard, Cable		
Pressure connection	M20×1.5、 G1/4、 G1/2、 R1/2、 NPT1/2、 NPT1/4		
Pressure Type	Guage,Seal Guage, Abosolute		
Electro Magnetic Compatibility	EN50081-1/-2, EN50082-2		

ITAYG2221E

Engine oil pressure sensor



Dimension in:mm

El sensor de presión de aceite del motor ITAYG2221E se usa junto con el medidor de presión de aceite y la lámpara de alarma. Puede detectar el cambio de presión de aceite en el tubo principal del motor y transferirlo a una variedad de resistencia, luego enviarlo al medidor de aceite para indicar la presión de aceite actual. Cuando la presión del aceite cae al valor preestablecido, la lámpara de alarma se encenderá. ITAYG2221E utiliza una placa de circuito impreso de paladio cermet, que presenta una vida ultra larga y una alta confiabilidad.

Specification

Model	YG2221E
Measuring Range	0~6bar
Output	90~200Ω(other range is available on request)
Supply Power	12/24VDC
Alarm Pressure	0.8bar
Pressure Type	Absolute Pressure
Operation Temperature Range	-30°C~130°C
Sample Line Connection	1/4NPT(other connection is available on request)
Electrical Connection	G-Pressure Meter , WK-Alarm

Conversion:1bar=14.5psi 1MPa=10bar