

SERIES : MD 5

- DIFFUSED SILICON AND HIGH ACCURACY SENSOR
- ST. STEEL HOUSING & PROCESS CONNECTION
- ABSOLUTE OR GAUGE PRESSURE
- RANGES VACUUM UP TO 2000 BAR



Technical Specification

Pressure Range	VACUUM UP TO 2000 BAR	BAR
Power Supply	5, 12, 24	VDC
Output Signal	0.5~4.5VDC ,4~20mA 0~5/10VDC	
Pressure No-linearity	±0.25, ±0.5	%F.S
Compensated Temperature Range	-20~80	°C
Operating Temperature Range	-30~80	°C
Storage Temperature Range	-40~125	°C
Protection	IP65	

Features

Compact type transmitter, Strong moisture resistance and electromagnetic interference resistance, Multiple connectors and pressure ports, CE compliant

Application

Liquid, gases which compatible with 304 stainless steel

Specially applied in air compressors and automotive matching field, Automatic detection and control system.

MD 5 series pressure transmitter

Description

MD 5 series are specially for air compressor. The cost -Performance ratio is high, utilize newest technology, assemble high performance circuit. Small profile, have strong capability of dampproof and anti-electromagnetic interference. Mainly apply in fields: air compressor, vacuum equipment, oil pressure equipment.

Features

- ✧ Wide measurement range,
- ✧ Multiple thread
- ✧ Protection: IP65
- ✧ ExiaIICT6;
- ✧ CE certification



Application

- ✧ air compressor, vacuum equipment,
- ✧ oil pressure equipment

Measurement Range	-1 ... ~2000BAR
Proof pressure	≤1.5X rated pressure
Pressure type	Gauge, absolute ,sealed gauge
Accuracy	±0.25% (typical) ±0.5% (Max.)
Long stability	±0.1%F.S/year (typical) ±0.2%F.S/y ear (Max.)
Temperature Error- Zero	±0.03%F.S/°C (≤100KPa) ±0.02%F.S/ °C (>100KPa)
Temperature Error -Span	±0.03%F.S/°C (≤100KPa) ±0.02%F.S/ °C (>100KPa)
Operating Temperature Range	-20°C~80°C
Storage Temperature Range	-40°C~120°C
Power supply	12~36VDC、 5VDC
Output signal	4~20mA 0.5 ~4.5VDC 1 ~ 5VDC 1 ~ 10VDC
Pressure port	M20×1.5,G1/4 or customize
Housing material	1Cr18Ni9Ti stainless steel
Diaphragm material	316L
O-ring	Fluororubber
Cable	Polyethylene
Insulation resistance	100MΩ,100VDC

Ordering Information

MD 5X	Code	Dimension			
	5	Circular connector M12*1 4pin			
	6	Cable with 1.5 meter			
	7	Mini DIN			
	8	Big Din			
		Pressure range	-0.1 . . . 0~0.1 . . . 2000BAR		
		(0-X)PSI or BAR	X: measurement range		
			Code	Power supply	
			D1	24VDC	
			D2	5VDC	
			D3	Others	
			Code	Output signal	
			S1	4~20mADC	S5 0~20mADC
			S2	1~5VDC	S6 0~10VDC
			S3	0~5VDC	S7 0.5~4.5VDC
			S4	0~10mADC	
			Code	Pressure port	
			J1	M20×1.5 male	
			J2	G1/2 male	
			J3	G1/4 male	
			J4	7/16-20UNF female	
			J5	Others	
				Code	Pressure type
				G	Gauge
				A	Absolute pressure
				S	Sealed pressure

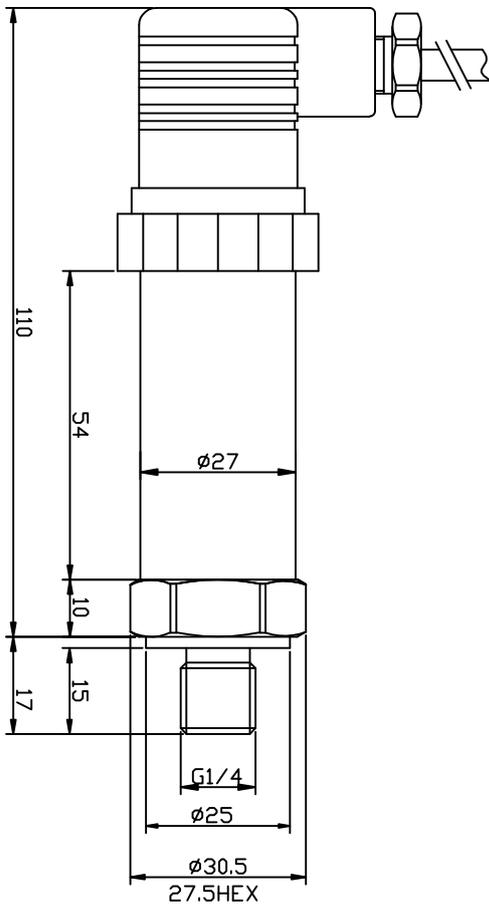
Ordering note:

1. Media must be compatible with wet part.
2. To ensure the products can work reliably, we suggest that customer install lightning protection device and make sure products & power are earthed.
3. Special requirement ,such as strong shock, moment vibration, strong electromagnetism, radio frequency interference ,please consult us.

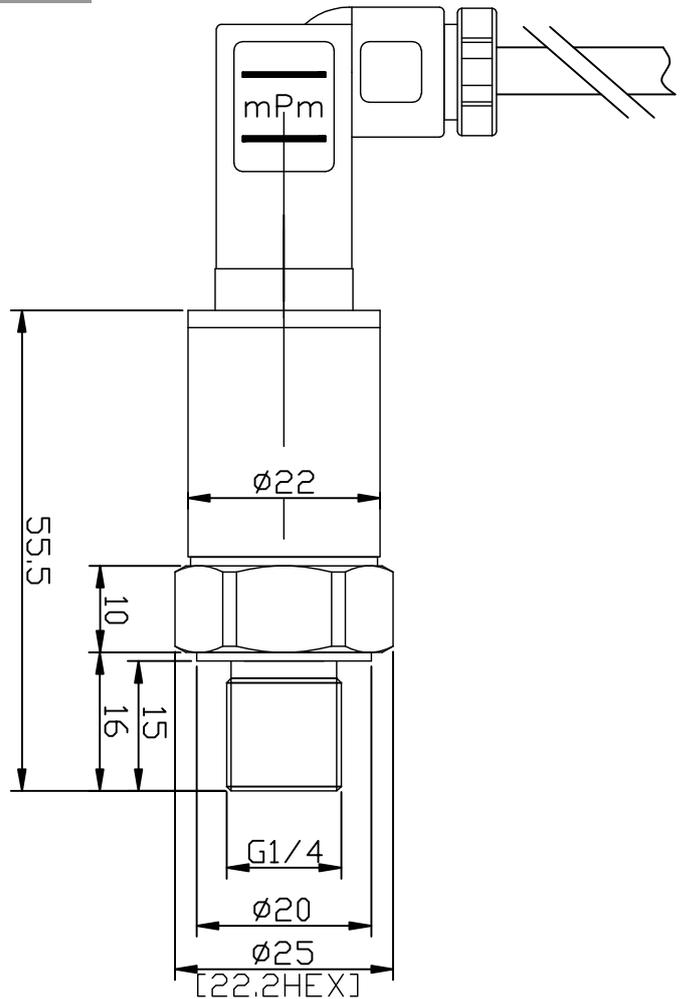
Warranty:

Pressure transmitters have a limited one-year warranty to the original purchaser. MADECO will replace or repair defective products free of charge. This warranty does not apply to any units that have been modified, misused, neglected .

Dimension

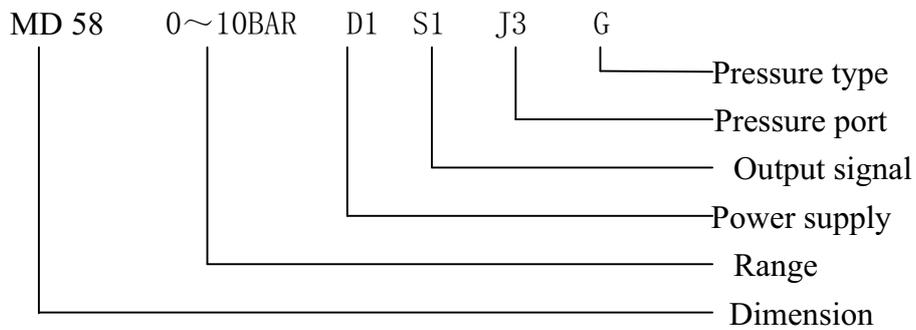


MD 58



MD 57

Ordering Example





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