



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	≤ 1.5 X rated pressure
Pressure type	Gauge, absolute ,sealed gauge
Accuracy	$\pm 0.25\%$ (typical) $\pm 0.5\%$ (Max.)
Long stability	$\pm 0.1\%$ F.S/year (typical) $\pm 0.2\%$ F.S/y ear (Max.)
Temperature Error-Zero	$\pm 0.03\%$ F.S/°C (≤ 100 KPa) $\pm 0.02\%$ F.S/ °C (> 100 KPa)
Temperature Error-Span	$\pm 0.03\%$ F.S/°C (≤ 100 KPa) $\pm 0.02\%$ F.S/ °C (> 100 KPa)
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	4~20mAADC	S5 0~20mAADC	
			S2	1~5VDC	S6 0~10VDC	
			S3	0~5VDC	S7 0.5~4.5VDC	
			S4	0~10mAADC		
			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	

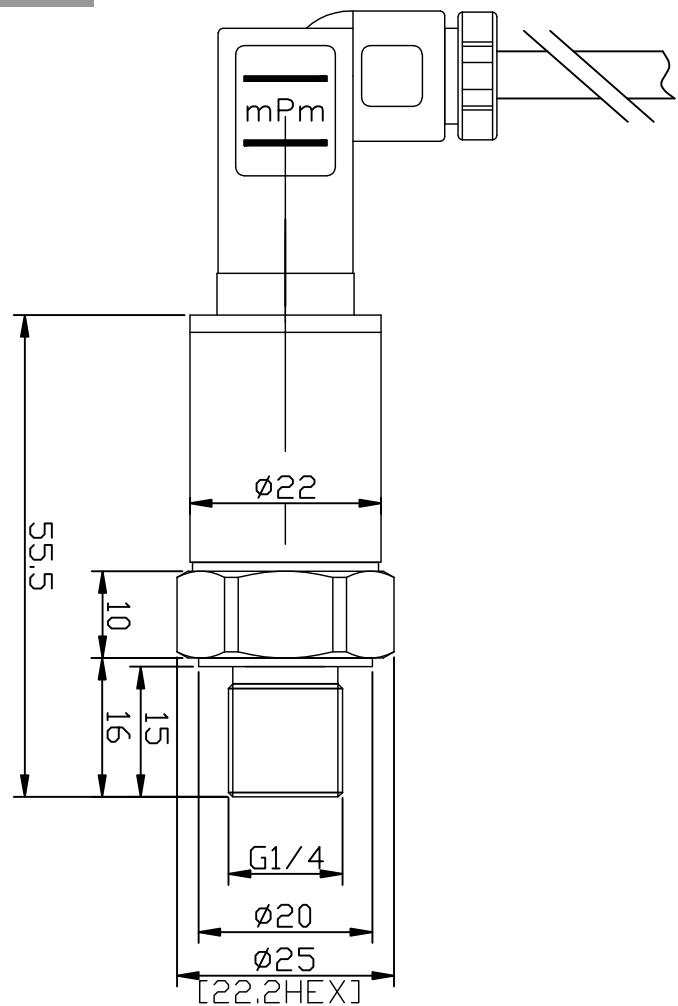
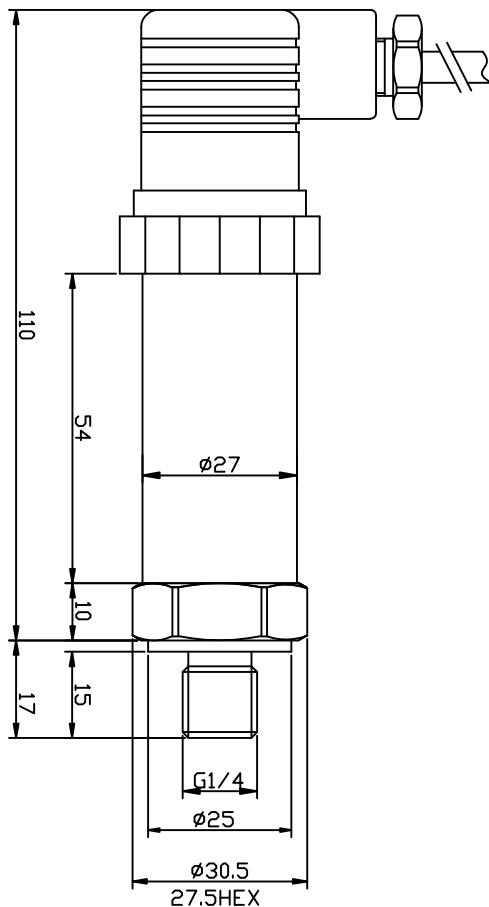
Ordering note:

1. Media must be compatible with wett 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 .

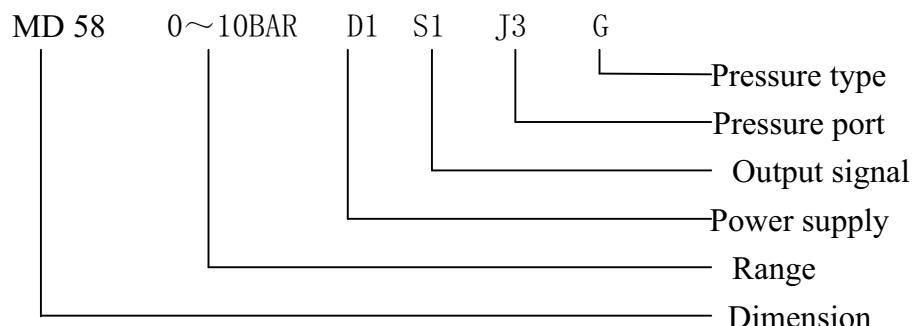
Dimension



MD 58

MD 57

Ordering Example





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