

## 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/year (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)PSIor BAR	X: measurement range												
				Code	Power supply										
				D1	24VDC										
				D2	5VDC										
				D3	0thers										
						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	0thers						
												Code	Pressure type		
						G	Gauge								
						A	Absolute pressure								
						S	Sealed pressure								

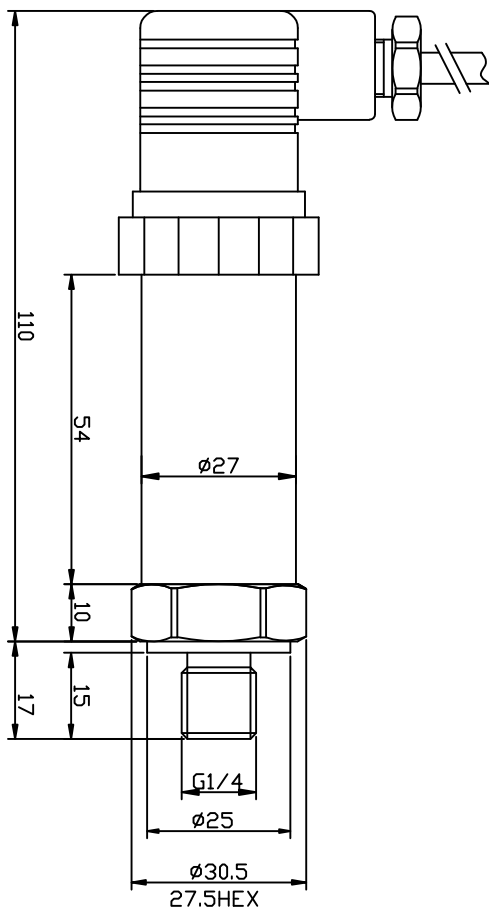
### Ordering note:

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

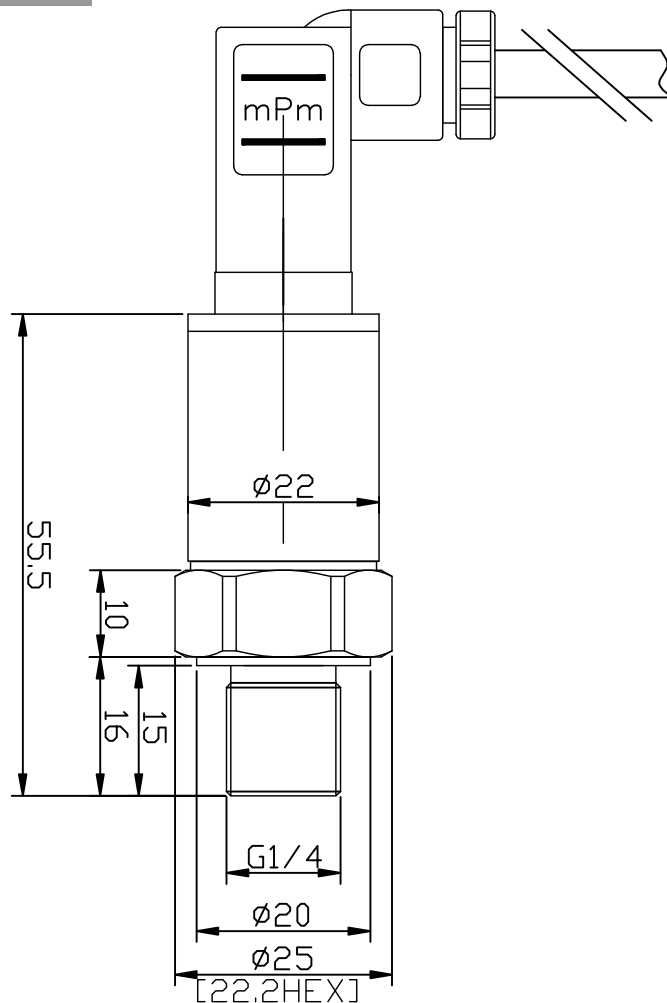
#### Warranty:

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

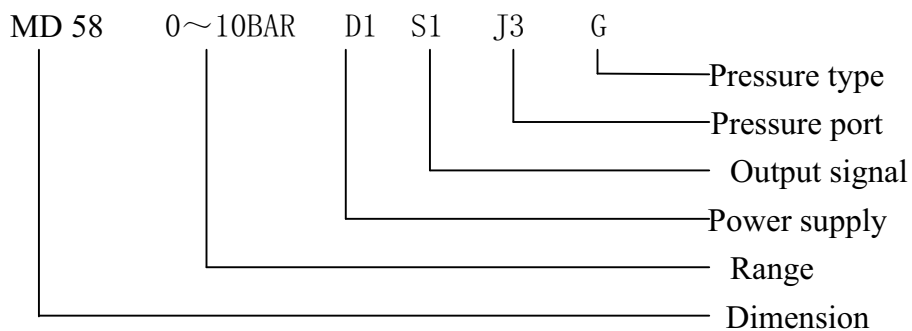


MD 58



MD 57

## Ordering Example





Address: 7191 Yonge street, Toronto, Canada

Tel: +16472221281(5 line)

Web: [www.madecotech.com](http://www.madecotech.com)

Email: [Info@madecotech.com](mailto:Info@madecotech.com)