

High Temperature Pressure Transmitter Model : MDS9

Applications

- High Temperature Sensor
- Medium Temperature -40 ... +250 °C
- Temperature Compensation
- 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 |
| ■ Power Supply | 9 ~ 30VDC |
| ■ Output Signal | 0.5~4.5VDC 4~20mA ,0~5 VDC,0~10 VDC |
| ■ Accuracy | ± 0.25~ ±0.5 %F.S |
| ■ Compensated Temperature Range | -20~85 °C |
| ■ Media Temperature | -40~250 °C |
| ■ Protection | IP65 |

Features

- Wide measurement range
- Multiple thread
- Protection: IP65
- Marking :ExialICT6;

Compact type transmitter, Strong moisture resistance and electromagnetic interference resistance, Multiple connectors and pressure ports, CE compliant Liquid, gases which is compatible with 316 stainless steel.Specially applied in air compressors and automotive matching field, Automatic detection and control system.



Description

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

Application

- MDS9 series are designed specially for high temperature medium.
- Air Compressor, Vacuum Equipment
- Oil pressure Equipment

Specification

■ Measurement Range	-1 ... 2000BAR
■ Proof pressure	≤1.5X rated pressure
■ Pressure type	Gauge, absolute ,sealed gauge
■ Accuracy	±0.25% (Max.) ±0.5% (typical)
■ Long stability	±0.1%F.S/year (Max.) ±0.2%F.S/ year (typical)
■ 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	-40°C~220°C
■ Storage Temperature Range	-40°C~125°C
■ Power supply	12~36VDC
■ Out put signal	4~20mA / 0.5~ 4.5VDC /1 ~ 5VDC /0 ~ 10VDC
■ Pressure port	M20×1.5,G1/4 or customize
■ Housing material	314 stainless steel
■ Diaphragm material	316L
■ Insulation resistance	100MΩ,100VDC

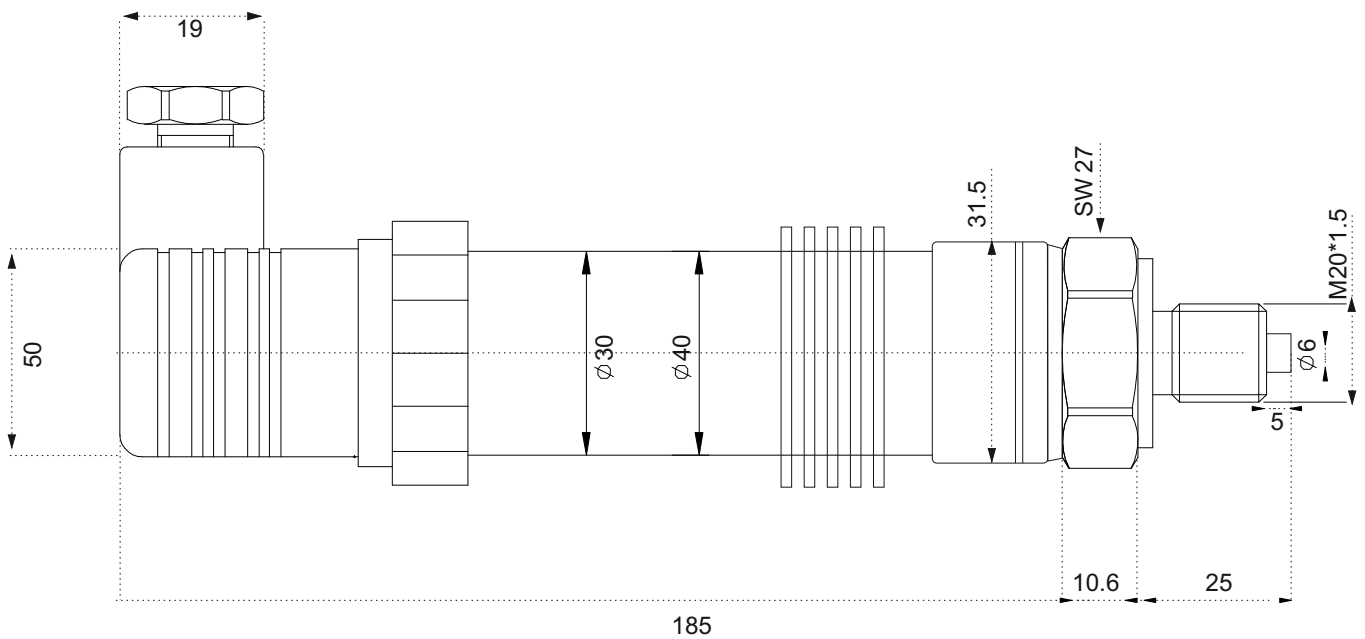
Ordering Information

MDS9 High Temperature Pressure Transmitter

ORDERING CODE	Example: MDS9	C	F	M	4	B	G	Note
Dimension								
C - Circular connector		C						
A - able with 1.5 meter								
M - Mini DIN								
B - Big Din								
Pressure range								
F - (-1. .0 ~ 2000BAR)			F					
X - measurement range								
Power supply								
M - 24VDC				M				
L - 5VDC								
O - Others								
Output signal								
1 - 4 ~ 20mA								
2 - 1 ~ 5VDC								
3 - 0 ~ 5VDC								
4 - 0 ~ 10mA					4			
5 - 0 ~ 20mA								
6 - 0 ~ 10VDC								
7 - 0.5 ~ 4.5VDC								
Pressure port								
N - M20 × 1.5 male								
B - G1/2 male						B		
F - G1/4 male								
J - 7/16 - 20UNF female								
O - Others								
Pressure type								
G - Gauge							G	
A - Absolute pressure								
S - Sealed pressure								
Other								

Ordering Note

- Media must compatible with wetted part.
- To ensure the products can working reliable, 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 have been modified, misused, neglected.





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