



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 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	$\leq 1.5 \times$ rated pressure
■ Pressure type	Gauge, absolute ,sealed gauge
■ Accuracy	$\pm 0.25\%$ (Max.) $\pm 0.5\%$ (typical)
■ Long stability	$\pm 0.1\%$ F.S/year (Max.) $\pm 0.2\%$ F.S/y ear (typical)
■ 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	-40°C~220°C
■ Storage Temperature Range	-40°C~125°C
■ Power supply	12~36VDC
■ Output signal	4~20mA / 0.5~ 4.5VDC /1 ~ 5VDC /0 ~ 10VDC
■ Pressure port	M20×1.5,G1/4 or customize
■ Housing material	Stainless steel
■ Diaphragm material	316L
■ Insulation resistance	100MΩ,100VDC

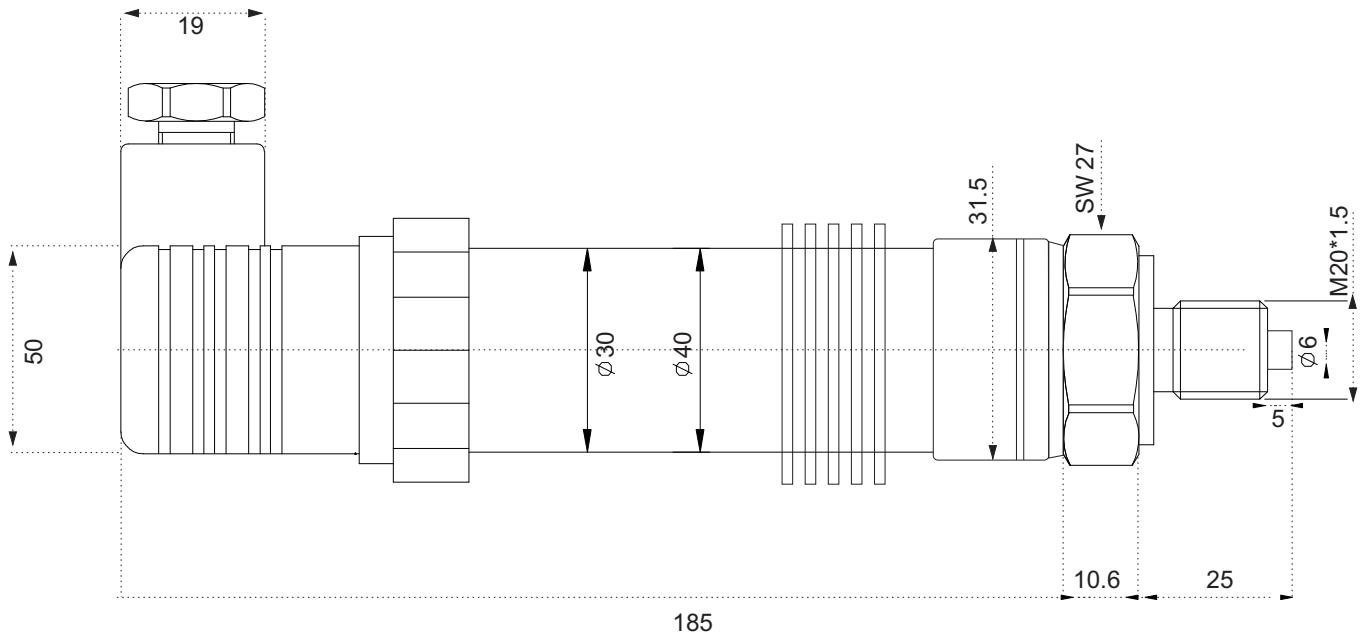


MDS9 Pressure Transmitter

ORDERING CODE	Example: MDS9	4	10P	D1	S1	J1	G	S	WA	NOTE
Electric Connection										
4 - Cable outlet(1.5m standard)		4								
5 - Circular connector M12x1(4pin)										
6 - Bayonet connector(6pin)										
7 - Mini DIN (Optional:Big Din)										
8 - Big DIN (Optional:Mini Din)										
9 - Customer										
Pressure Range										
xxx - Measurement range -1 ... 0 to 2000bar			10							
P - Psi				P						
X - Bar										
C - Customer										
Power Supply										
D1 - 24VDC					D1					
D2 - 250VDC										
C - Customer										
Output Signal										
S1 - 4 ... 20 mA DC						S1				
S2 - 1 ... 5 VDC										
S3 - 0 ... 5 VDC										
S4 - 0 ... 10 VDC										
S5 - 0 ... 20 mA DC										
S6 - 0 ... 10 VDC										
S7 - 0.5 ... 4.5 VDC										
C - Customer										
Process Connection Size										
J2- G1/4							J2			
J1- G1/2male										
J3 - M20x1.5 male										
J4 - 7/16 - 20UNF male										
J5 - 7/16 - 20UNF female										
J6 - 1/4 NPT male										
J7 - 1/4 NPT female										
Pressure Type										
G - Gauge pressure							G			
A - Absolute pressure										
S - Sealed pressure										
Process Connection Material										
L - 304 Stainless steel										
S - 316L Stainless steel								S		
M - Monel® 400										
H - Hastelloy										
C - Customer										
Option										
YW -316L Stainless steel housing										
OS - Overload stop										
CO - Cooling element for high temp. applications										
DS - Diaphragm seals for sanitary										
IN - Local indicator										
DH - Diaphragm seals for high viscous or crystallising media										
CC - Calibration certificate										
PD - Pulsation dampener										
IP - IP 68 housing										
AT - ATEX										
WA - One year warranty								WA		
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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