

## 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

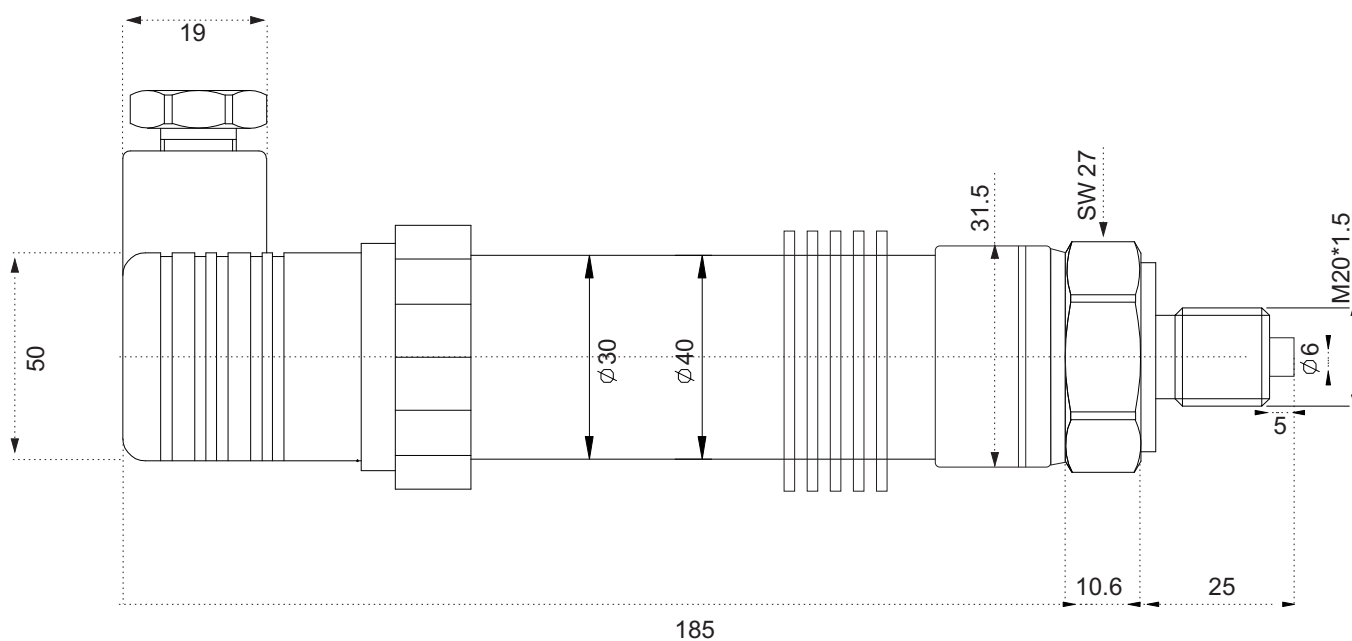
■ Measurement Range	-1 ... 2000BAR
■ Proof pressure	≤1.5X rated pressure
■ Pressure type	Gauge, absolute ,sealed gauge
■ Accuracy	±0.25% (Max.)    ±0.5% (typical)
■ Long stability	±0.1%F.S/year ( Max.)    ±0.2%F.S/ year (typical)
■ Temperature Error - Zero	±0.03%F.S/°C(≤100KPa)    ±0.02%F.S/ °C (>100KPa)
■ 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	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
<b>Electric Connection</b>											
4 - Cable outlet(1.5m standard)			4								
5 - Circular connector M12×1(4pin)											
6 - Bayonet connector(6pin)											
7 - Mini DIN (Optional:Big Din)											
8 - Big DIN (Optional:Mini Din)											
9 - Customer											
<b>Pressure Range</b>											
xxx - Measurement range -1 ... 0 to 2000bar				10							
P - Psi				P							
X - Bar											
C - Customer											
<b>Power Supply</b>											
D1 - 24VDC					D1						
D2 - 250VDC											
C - Customer											
<b>Output Signal</b>											
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											
<b>Process Connection Size</b>											
J2- G1/4							J2				
J1- G1/2male											
J3 - M20×1.5 male											
J4 - 7/16 - 20UNF male											
J5 - 7/16 - 20UNF female											
J6 - 1/4 NPT male											
J7 - 1/4 NPT female											
<b>Pressure Type</b>											
G - Gauge pressure								G			
A - Absolute pressure											
S - Sealed pressure											
<b>Process Connection Material</b>											
L - 304 Stainless steel											
S - 316L Stainless steel									S		
M - Monel® 400											
H - Hastelloy											
C - Customer											
<b>Option</b>											
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.





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)