

# HIGH TEMPERATURE PRESSURE TRANSMITTER SERIES : MDS9

- 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



0.25%  
ACCURACY

## Technical Specification

Pressure Range	VACUUM UP TO 2000 BAR	BAR
Power Supply	9 ~ 30	VDC
Output Signal	0.5~4.5VDC ,4~20mA 0~5/10VDC	
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

## Application

Liquid, gases which is compatible with 316 stainless steel.

Specially applied in air compressors and automotive matching field, Automatic detection and control system.

## MDS9 series pressure transmitter

### Description

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.

### Application

- MDS 9 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% (typical) ±0.5% (Max.)
Long stability	±0.1%F.S/year (typical) ±0.2%F.S/y ear (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	-40°C~250°C
Storage Temperature Range	-40°C~125°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
Insulation resistance	100MΩ,100VDC

**Ordering Information**

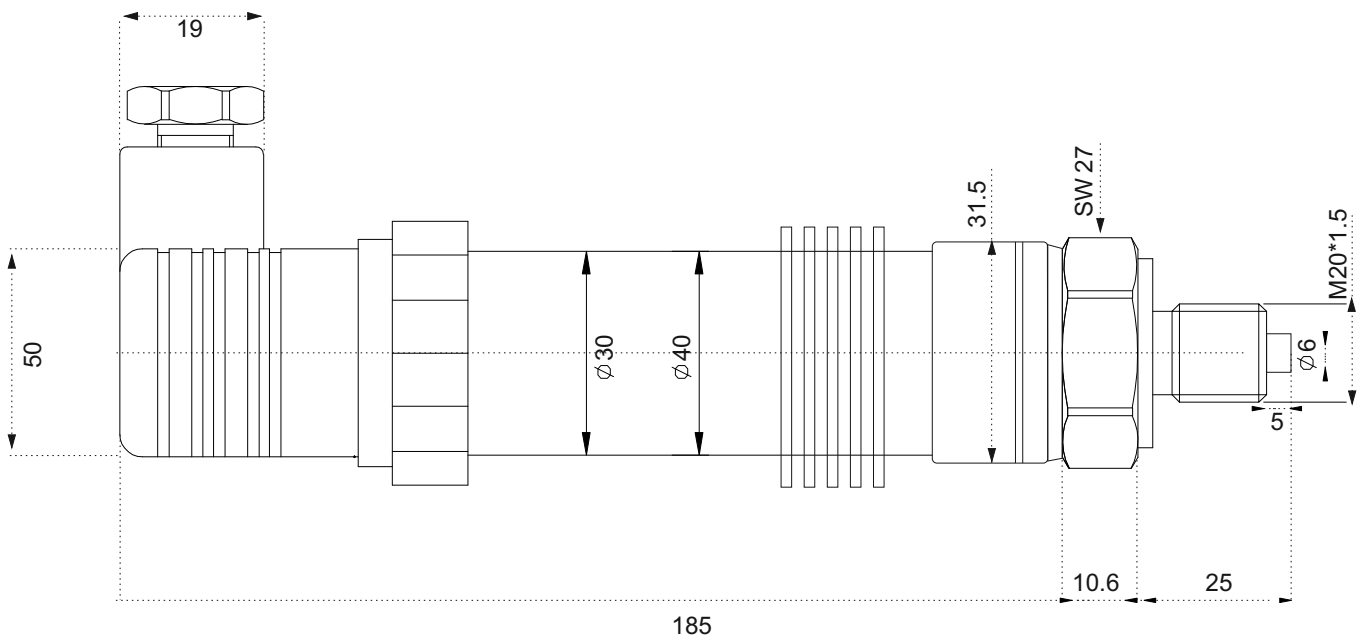
MDS 9	Code	Dimension			
	5	Circular connector			
	6	Cable with 1.5 meter			
	7	Mini DIN			
	8	Big Din			
		<b>Pressure range</b>	-0.1 . . . 0~0.1 . . . 2000BAR		
		(0-X)PSI or BAR	X: measurement range		
			<b>Code</b>	<b>Power supply</b>	
			D1	24VDC	
			D2	5VDC	
			D3	Others	
			<b>Code</b>	<b>Output signal</b>	
			S1	4~20mADC	S5 0~20mADC
			S2	1~5VDC	S6 0~10VDC
			S3	0~5VDC	S7 0.5~4.5VDC
			S4	0~10mADC	
			<b>Code</b>	<b>Pressure port</b>	
			J1	M20×1.5 male	
			J2	G1/2 male	
			J3	G1/4 male	
			J4	7/16-20UNF female	
			J5	Others	
				<b>Code</b>	<b>Pressure type</b>
				G	Gauge
				A	Absolute pressure
				S	Sealed pressure

### Ordering note:

1. Media must compatible with wetted part.
2. To ensure the products can working reliable, 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 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)