



### DESCRIPTION

The T200 / T201 series is ideally suited for both mobile and industrial application where space constraints require a small body size. The body is machined from a single piece of 304SS to provide added protection for the internal electronics. A piezoresistive ceramic sensor along with ASIC signal conditioning provides an excellent thermally compensated output.

### FEATURES

- Piezoresistive Ceramic Sensor
- ASIC Signal conditioning

### APPLICATIONS

- Industrial Equipment
- Safety Monitoring
- Mobile Equipment

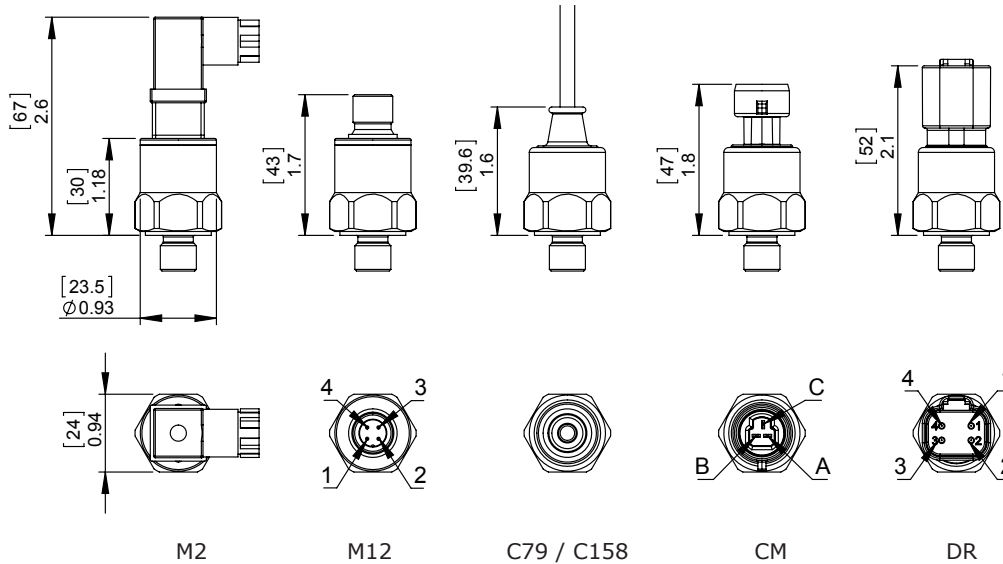
### Specifications

Accuracy	0.5% BFSL
Pressure Range	0 to 7,500 PSI (517 BAR)
Proof Pressure	200% FS ( $\leq 3000$ psi), 160% FS ( $> 3000$ psi)(207 BAR)
Burst Pressure	140-400% FS based on range (consult factory)
Long Term Drift	$< 0.3\%$ FS @ 77°F (25°C)
Thermal Error	7.5 psi $\geq$ 100 psi: 0.01% FS/°F (0.018% FS/°C) 100 psi $>$ 400 psi : 0.009% FS/°F (0.016% FS/°C) 400 psi $\geq$ 1000 psi: 0.011% FS/°F (0.019% FS/°C) 1000 psi $>$ 3000 psi: 0.012% FS/°F (0.021% FS/°C) 3000 psi $\geq$ 7500 psi: 0.018% FS/°F (0.0028% FS/°C)
Compensated Temperatures	T200 Series: 32°F to 185°F (0°C to 85°C) T201 Series: -40°F to 257°F (-40°C to 125°C)
Operating Temperatures	-40°F to 257°F (-40°C to 125°C)
Storage Temperature Rating	-40°F to 275°F (-40°C to 135°C)
Process Connection	SS304
Wetted Materials	Ceramic Al <sub>2</sub> O <sub>3</sub> NBR (Standard) or Optional: FKM,HNBR,EPDM
Vibration	10g (20-2000Hz) for $\leq 58$ PSI (4 BAR) 20g (20 - 500Hz) for ranges $> 58$ PSI (4 BAR)
Shock	50g (11ms)
Supply Voltage	4 - 20mA : 8 - 30 VDC 0 - 10V : 12 - 30 VDC 0.5 - 4.5V : 4.5 - 5.5 VDC (ratiometric) 0.5 - 4.5V : 8 - 30 VDC 0 - 5V : 8 - 30 VDC 1 - 5V : 8 - 30 VDC 1 - 6V : 8 - 30 VDC 0.25 - 10.25 V : 8 - 30 VDC *Other supply voltage available upon request
Protection	Overvoltage, Short Circuit, Reverse Polarity Protection
Response Time	$< 1$ ms
Ingress Protection	IP67 (IP65 for M2 Electrical Connection)
Compliance	IEC/EN 61000-4-3(2006) 100V/m 80-1000MHz IEC/EN 61000-4-4(2004) Class 3 IEC/EN 61000-4-6(2006) 3Vrms 0.15-80MHz ROHS
Weight	0.15 lbs (0.07kg)

# T200 / T201



## Dimensions



Connector	Output				
	4 - 20 mA		Voltage		
	Supply +	Supply -	Supply +	Common	Output +
M2	1	2	1	2	3
M12	1	3	1	3	4
C79 / C158	Red	Black	Red	Black	White
DR / CDP	2	1	2	1	4
CM	B	A	B	A	C

\* DR / CDP Pin 3 used for shield

## Ordering Information

**T200 - 060P - G - 3 - M2 - 4M - N - T1**

Model:	Pressure Range:	Gauge Standard:	Output:	Electrical Connection:	Process Connection:	Seal Material:	Accuracy:
<b>T200</b> Compensated Temperature Range 32°F to 185°F (0°C to 85°C)	<b>001P</b> - 15 PSI	<b>A</b> - Absolute	<b>2</b> - 4 - 20 mA, (2 wire)	<b>M2</b> - DIN 43650C (Mini DIN)	<b>4M</b> - 1/4" NPT male	<b>N</b> - NBR (Standard)	<b>T1</b> - 0.5% BSFL
	<b>003P</b> - 30 PSI	<b>G</b> - Gauge	<b>3</b> - 0 - 10 V (3 wire)	<b>M12</b> - M12, 4 pin	<b>4G</b> - 1/4" BSPP male, G1/4	<b>V</b> - VITON®	
	<b>010P</b> - 100 PSI	<b>S</b> - Sealed Gauge	<b>4</b> - 0.5 - 4.5 V ratiometric	<b>C79</b> - Shielded Cable 79 inches (2 meter)	<b>4S</b> - 7/16-20 SAE male, with O-ring seal	<b>H</b> - HNBR	
	<b>015P</b> - 150 PSI		<b>5</b> - 0 - 5 V (3 wire)	<b>C158</b> - Shielded Cable 158 inches (4 meter)		<b>E</b> - EPDM	
<b>T201</b> Compensated Temperature Range -40°F to 257°F (-40°C to 125°C)	<b>030P</b> - 300 PSI		<b>6</b> - 1 - 5 V (3 wire)	<b>DR</b> - Deutsch Receptacle DT04-4P			
	<b>040P</b> - 400 PSI		<b>7</b> - 0.5 - 4.5 V (3 wire)	<b>CDP</b> - 10" Cable, with Deutsch Plug (DT06-4S)			
	<b>060P</b> - 600 PSI		<b>8</b> - 1 - 6V (3 wire)	<b>CM</b> - Packard, Metripack, 150 Series (PS2)			
	<b>100P</b> - 1000 PSI		<b>9</b> - 0.25 - 10.25 V				
	<b>150P</b> - 1500 PSI						
	<b>300P</b> - 3000 PSI						
<b>500P</b> - 5000 PSI							
<b>750P</b> - 7500 PSI**							

\*\* 7500 psi is only available with 7/16 SAE thread

\*Other material and options available upon request.  
Custom design available. Please consult factory.