

INSTRUMENTATION/ ELECTRONICS

TRANSDUCERS/ TRANSMITTERS



Features

1. **High Pressure Range:** 14 - 7250 psi (1 - 600 bar)
2. **Accurate:** +/- 0.5% at -20 to 85°C
3. **Compact Size/ Performance Ratio:**
4. **Robust Package:** All laser welded stainless steel design for optimal media isolation.
5. **Maximum Flexibility:** Temperature Compensation

Laser Welded Pressure Transmitters/ Transducers

Specifications

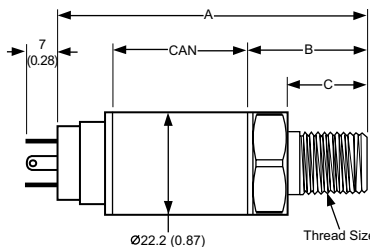
	XDR1 Transducer	XMT1 Transmitter	XDR2 Transducer
Output Type	0.5 - 4.5 VOLTS	4-- 20 mA	1 - 5 VOLTS
Accuracy at -20 to 85°C	0.5%FS		
Total Error Accuracy at -40 to 19°C; 86 to 105°C	1.0%FS		
Compensated Temperature	-40 to -105°C		
Operating and Storage Temperature	-40 to -105°C		
Stability (Typical)	0.25%FS/Year		
Zero Pressure Offset	0.5V	40 mA	1.0V
Full Scale Output	4.5V	20 mA	5.0V
Proof Pressure	3x FS		
Burst Pressure (Absolute Pressure Transducers)	10 x FS or 15000Psia		
Burst Pressure (Gage Pressure Transducers)	5 x FS		

Electrical Specifications

Pin	Output	
	1-5 V	4-20mA
1	Power	Power
2	Output	Return
3	Ground	Not Used
4	Not Used	Not Used

	XDR1 Transducer	XMT1 Transmitter	XDR2 Transducer
Output Type	0.5 - 4.5 VOLTS	4-- 20 mA	1 - 5 VOLTS
Supply Voltage	5 +/- 0.5	8 to 30 Volts	8 to 30 Volts
Supply Current	<5 mA	Not Applicable	<5 mA
Output Current	0.45 mA Max (Sink or Source)	Not Applicable	0.45 mA Max (Sink or Source)
Response Time	<1 ms	<1 ms	<1 ms
Reverse Polarity Protection	N/A	Yes	Yes

Dimensional Data



Code	Thread Size	A		B	C
		Current Output 20mmCAN	Current Output 30mmCAN		
4mp	1/4" - 18NPT	68.5 (2.70)	58.5 (2.30)	26.5 (1.04)	18.0 (0.71)
2mp	1/8" - 27NPT	63.5 (2.50)	53.5 (2.11)	21.5 (0.85)	13.0 (0.51)

Units: mm/ (Inch)

Ordering Information

XMT1 - 3K -4MP

Series	Description	Code	Pressure Range	Code	Thread Size
XMT1	Transmitter	1K	1000 psi	4mp	1/4" - 18NPT
XDR1	Transducer	2K	2000 psi	2mp	1/8" 27NPT
XDR2	Transducer	3.6K	3600 psi		
		5.8K	5800 psi		

