

PRESSURE SENSOR/ TRANSMITTER

Low cost, high performance pressure sensor for arduous industrial duty with integral 4...20mA signal transmitter.

- Chemical and corrosion resistant. Stainless steel diaphragm with integral four active arm strain gauge bridge.
- 2 wire, loop powered, 4...20mA analogue output.
- Fully temperature compensated.
- Gauge or absolute.
- Excellent linearity and long term stability.
- Stainless steel housing.
- Intrinsically Safe versions.



TX6114



A stainless steel pressure sensing element provides an exceptionally stable output signal with negligible zero drift and remarkable overpressure capability. The material of the sensing capsule is completely resistant to the most severe and aggressive products and is particularly suitable where frequent cycling is required.

Technical Details

	TX6114.01	TX6114.02	TX6114.03
Pressure Measuring Ranges	0.25, 0.5, 1, 2, 5, 10, 20, 50, 100, 200, 400, 600 bar		
Supply Voltage:	7...14V dc.	7...28V dc.	7...35V dc.
Output Signal:	4...20mA (2 wire loop powered).		
Maximum Load Resistance:	1KΩ @ 28V dc.		
Non-linearity, Hysteresis and Repeatability:	<0.25% of span.		
Compensated Temp. Range:	-20°C...+80°C.		
Operating Temp. Range:	-40°C...+125°C.		
Thermal Zero Shift:	<±1.5% over -20°C...+80°C.		
Thermal Span Shift:	<±1.5% over -20°C...+80°C.		
Safe Over Range:	2 time range.		
Burst Pressure:	5 times range minimum.		
Long Term Stability:	0.1% per annum		
Connections:	Polyurethane cable sealed at the point of entry, DIN Connector, or Flexible Conduit.		
Protection Classification:	IP68 with Cable IP65 with Connector IP65 with Flexible Conduit		
Ex Certification:	EEx ia I	EEx ia IIB T4	-----

Applications

- AIR COMPRESSORS
- AIR CONDITIONING
- AUTOMOTIVE
- CHEMICAL PROCESSING
- DATA LOGGING
- FOOD PROCESSING
- GAS FLOW
- HANDLING MACHINERY
- HYDRAULIC MACHINERY
- HYDROSTATIC LEVEL SENSING
- LOAD MEASUREMENT
- MEDICAL ENGINEERING
- PAPER PROCESSING

Connections

CONNECTIONS	CABLE	CONNECTOR
+ve	RED	PIN 3
-ve	BLUE	PIN 1

Order Reference

T X 6 1 1 4 PRESSURE SENSOR/TRANSMITTER.

Please specify additional information:

PRESSURE RANGE:	(bar)
CABLE LENGTH where applicable:	(metres)

OPTIONS:

Intrinsically Safe (Group I)	(01)
Intrinsically Safe (Group II)	(02)
General Purpose	(03)
Gauge Measurement	(11)
Absolute Measurement	(12)
Cable Version	(61)
Connector Version	(62)
Cable with flexible conduit	(63)

Dimensions

