

PRESSURE TRANSDUCER

- All-laser-welded stainless steel for media isolation
- Integral "Smart" signal conditioning electronics
- Custom ASIC provides signal conditioning for calibration and temperature compensation
- Accuracy: 0.25% FS from -40°C to 105°C
- Standard and custom options available for OEM quantities
- Compact size, excellent price/performance ratio
- 5V DC power supply Input with 0.5 to 4.5 V DC output
- 8~30V DC power supply with 1~5V DC Output or 4-20 mA Output

TYPICAL APPLICATIONS

- Refrigeration
- Fuel Cells
- Pumps
- Hydraulics
- Pneumatics
- Process Control
- Compressors
- Spraying System
- Flow
- Robotics
- Agriculture
- Hydrogen Storage



SPECIFICATION

Pressure Range	0-5Bar, 0-10Bar, 0-20Bar, 0-100Bar, 0-200Bar (Gauge or Absolute)
Over Pressure	2 time of full scale
Connection	1/4"NPT, 1/8"NPT, G 1/4", G 1/8"
Accuracy	0.25% (customisable)
Stability	0.25% F.S./year
Total Error	1.00%
Operating Temp	-20~80°C (-40~105°C optional)
Output	0.5-4.5V, 1~5V, 0~10V, 0.5~10.5V, 4-20mA
Electrical Connection	IP68 Cable Gland, DIN43650A
Power Supply	5Vdc, 8~30Vdc
Approvals	CE

HOW TO ORDER

Example: EC1510-200A-2U-C-5

Pressure Range (Bar) _____

A: Absolute
G: Sealed gauge

Connecting screw _____

1U: 1/8"NPT
2U: 1/4"NPT
3U: 1/2"NPT
1V: G1/8"
2V: G1/4"

Conduit _____

C: Cable Gland (std, 1M)
D: DIN 43650A

Output Options _____

1: 0.5~4.5V
2: 1~5V
3: 0~10V
4: 0.5~10.5V
5: 4~20mA

CALIBRATION VERIFICATION PROCEDURE

NOTE !! The Model EC1510 is a fixed Range Pressure Transmitter and can not be calibrated at all.

1. Zero Check.

- Remove The Transmitter from the Process.
- Inspect the transmitter and ensure that the unit is clean.
- Measure the mA Output signal from the Pressure transmitter by connecting a Digital Multimeter (Fluke or equivalent) in series with the Positive lead. [Ensure the Multi meter leads have been correctly positioned for mA measurement]
- The Output Signal should be 4.0 mA dc +/- 1%

2. Span Check

- Confirm the pressure range of the transmitter with check the Data on the Plate on the Transmitter. Ie 0 to 10 Bar.
- Apply a pressure to the Transmitter using a Pneumatic Pressure source. (Hand pump or similar) The Applied Pressure should be equivalent to the Maximum (URV) pressure of the Transmitter. Ie 10 Bar.
- Using the Digital Multimeter connected to the transmitter observe and Log the Output Signal Value.
- The Output Signal should be 20.0mA +/- 1%.

Depending on the output signals observed and logged, the Transmitter should either be re installed or Replaced.