

Series 750

Zero-Maintenance Pressure Transducer



Features & Applications

- Lifetime stability of +/- 0.5% FSO
- Accuracy of +/- 0.75% FSO
- +/- 0.25% (accuracy) version available
- Perfect for critical applications such as clean rooms, filter pressure drop and hospital isolation rooms
- Exclusive, patented Auto-Zero
- No calibration or re-calibration necessary for the life of the device
- Pressure range calibrated to customer's specific requirement

Specifications

Accuracy*:	+/-0.75% FSO +/- 0.25% FSO version available +/-1% at less than 1" WC
Stability:	+/-0.5% FSO – life of the device
Thermal Effects:	+/-0.01% FSO/°C
Overpressure:	14.5 PSI
Pressure Range:	0/0.1"WC to 0/5" WC (Bi-directional ranges available)
Compensated Range:	10° to 50°C
Adjustments:	Offset, 85% of FSO field adjustable
Media:	Any dry air or inert non-conductive gas
Operating Humidity:	90% RH non-condensing
Operating Temp:	-25° to 70°C
Input Supply:	24 VDC/24 VAC
Supply Power:	1 watt nominal, 1.5 watt peak
Load Resistance:	2KΩ minimum on voltage out, 500Ω, maximum loop resistance on 4-20mA output
Output Signal:	1-5VDC, 1-6VDC, 1-10VDC or 4-20mA
Electrical Connections:	22 AWG 3-conductor cable
Pressure Connections:	Brass barbed fitting for 1/8" ID tubing
Enclosure:	Impact resistant ABS plastic
Dimensions:	Approx. 3.0" x 1.5" x 4.3" (7.6cm x 3.8cm x 10.9cm)

* Includes non-linearity hysteresis and non-repeatability at a fixed temperature

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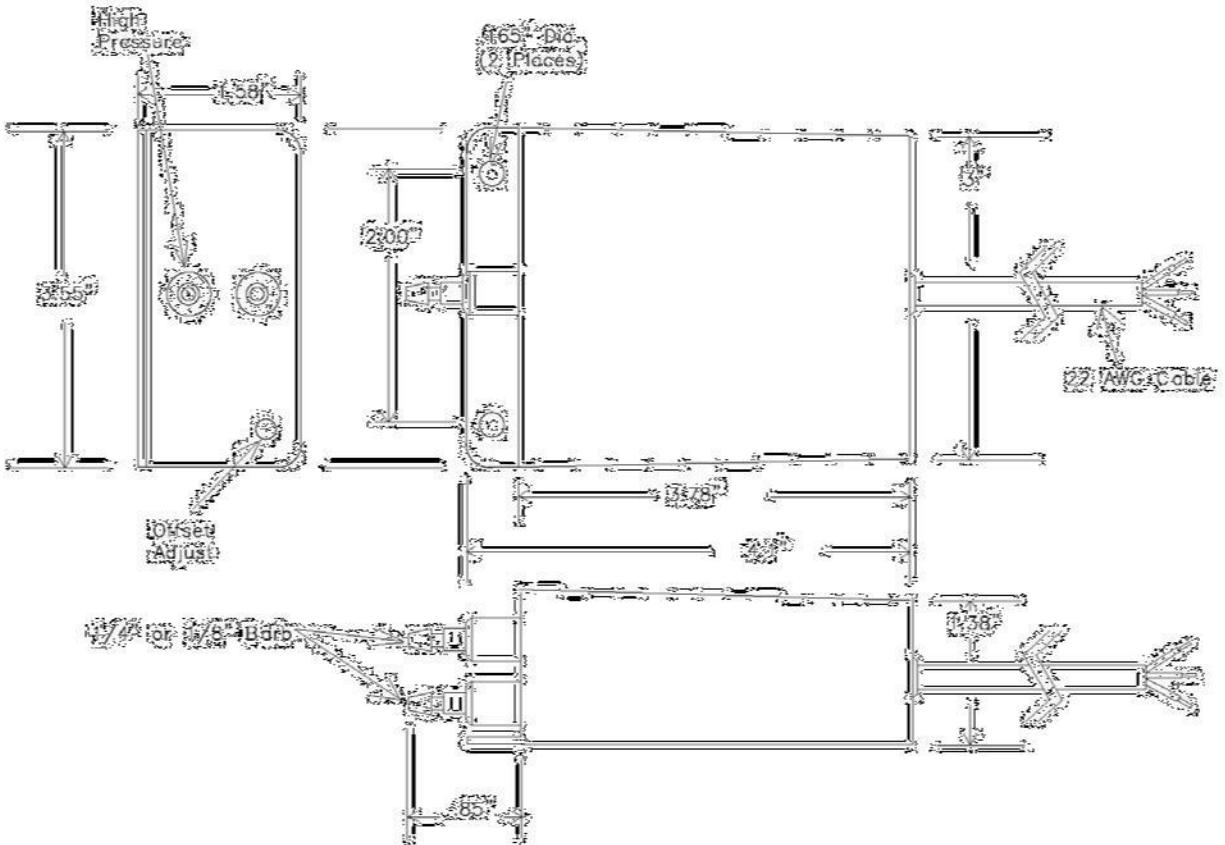


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Physical Drawing



How to Order

A typical order number consists of the **model** number, **type**, **output signal** and **calibration pressure**.

<u>Model</u>	<u>Type</u>	<u>Output Signal</u>	<u>Calibration Pressure</u>
750	D = Differential Or Gage*	1-5 VDC 1-6 VDC 1-10 VDC 4-20mA Custom Output	Customer designated exact FSO

Example: 750D 4-20mA Cal Pressure = 0-1.5"WC (Model number 750, differential type unit, output signal of 4-20mA, pressure range of 0-1.5"WC)

**With a gage application, one of the two pressure ports is vented to atmosphere*

Optional Items

1. +/- 0.25% FSO accuracy version available for pressure ranges from 0/0.5"WC to 0/5"WC.
2. +/- 0.5% FSO accuracy version available for pressure ranges 0/0.1"WC to 0/0.5"WC.



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