DIFFERENTIAL PRESSURE TRANSMITTER



Model BR306
Differential Pressure Transmitter

MODEL BR306

FEATURES:

- Low-cost, easy installation
- ±0.5%, 1.0%, 2.0% and 3.0% FSO accuracy
- Aluminum or stainless steel construction
- NEMA - 4x/IP65 rated
- External Zero and Span adjust
- 4-20 mA output
- Pressure ranges from 0.4" WC to 14.5 PSI

APPLICATIONS:

- Air and non-combustible compatible gases
- Air volume
- Boilers
- Underground ventilation
- Filter monitor
- Duct pressure

PRODUCT OVERVIEW:

Model BR306 from Blue Ribbon Corp is a low cost, industrial grade differential pressure transducer with aluminum or stainless steel wetted parts and housing. Typical applications for the Model BR306 include boiler, ventilation, and air handlers.

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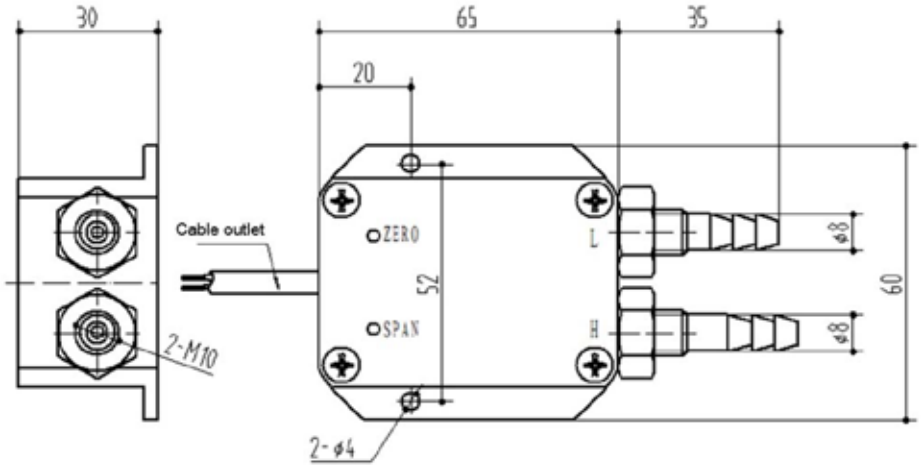
DIMENSIONAL DRAWING

All dimensions are in inches (mm)



REFERENCE SPECIFICATIONS

ELECTRICAL

- **Supply Voltage:** 16 to 36 Vdc
- **Output Signal:** 4-20mA
- **Ingress Protection:** IP65
- **Response Time:** 1 sec.
- **Connection:** 36" long, 24 AWG, 4 conductor cable

STATIC ACCURACY

- **1.5PSI to 14.5PSI:** ±0.5% FSO
- **0.75PSI to 1.0PSI:** ±1.0% FSO
- **2.0" WC to 8.0" WC** ±2.0% FSO
- **0.4" to 1.0" WC** ±3.0% FSO

MATERIALS OF CONSTRUCTION

- **Housing & Wetted Parts:** Aluminum (optional stainless steel)

MECHANICAL

- **Process connection:** M10 thread
- **Proof Pressure:** 2X FSO
- **Zero/Span adjustment**
- **Vibration:** 20G (20~500HZ)
- **Shock:** 100g (11ms)
- **Long-term stability:** ±0.2% FSO/year

PRESSURE RANGES

- 0.4" WC to 14.5 PSI Differential Pressure Reference

THERMAL SPECIFICATIONS

- **Operating Temperature:** 15 °F to +140 °F (-10 °C to +60 °C)
- **Storage:** -40 °F to +250 °F (-40 °C to +121 °C)

All specifications are for reference purposes only. In the interests of continuous product improvement, all specifications are subject to change without notice. Please contact Blue Ribbon Corporation for assistance with your application.

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