PRESSURE

DIFFERENTIAL PRESSURE TRANSMITTER

ZPS SERIES

DESCRIPTION

The BAPI ZPS Series Differential Pressure Transmitter is an accurate, rugged and economical solution for measuring and reporting duct/building static pressure, room-to-room differential pressure or air flow velocities/volumes. The ZPS Series micro-machined silicon piezoresistive pressure sensor is specifically developed for low differential pressure. The sensor's custom ASIC (Application Specific Integrated Circuit) provides five-point error correction over the compensated temperature range for excellent accuracy, repeatability and stability.







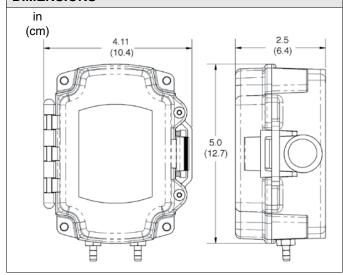




FEATURES

- · Field-selectable ranges and output signals
- · Five direct and five bidirectional standard ranges
- 4-20 mA, 0-5 VDC, or 0-10 VDC output signal
- · Inches of water or Pascal engineering units
- · Optional large LCD display
- · Microprocessor controlled auto-zero
- Rugged IP66 (NEMA 4) housing
- Short-circuit proof and polarity protected
- · Three-year warranty

DIMENSIONS



SPECIFICATIONS

Supply Voltage **Current Output** 7 to 4 0VDC @ 20 mA **Volts Output** 18 to 32 VAC @ 0.12VA.

13 to 40 VDC @ 4.9 mA Accuracy ±0.25% of range @72°F

(NIST included)

Signal Output 0-5/10V @ 1K Ω , 4-20mA @ I850 Ω

Sensor Type Capacitive

Adjustments Range select from DIP switches

Normal Measurement Range

0 to 5"WC, Uni- or Bi- Directional **Display**

LCD, 4 digits, 0.37" high (readout

may be neutralized)

Overpressure (Burst) ±41.52"WC (10.34 kPa)

Max Operating Pressure

(Proof) ±27.67"WC, (±6.89 kPa)

Operating Temperature -4 to 140°F(-20 to 60°C)

Operating Humidity

Wetted Parts

Media Compatibility

Process Connection

Wiring

Mounting

Enclosure Rating

Dimensions

Weight **Approvals** Warranty

0 to 95% Non-condensing

Silicone Inert dry air

> 3/16" OD brass, for 1/4" OD tubing 3 plug-in terminals 2-(4-20mA),

3-(Volts)

2 or 4, #10 screws (vertical position) UV-Polycarbonate UL94-V0. NEMA

4. (IP66)

4.1"W x 5.49"H x 2.5"D, (10.4 x 13.9 x 6.4 cm)

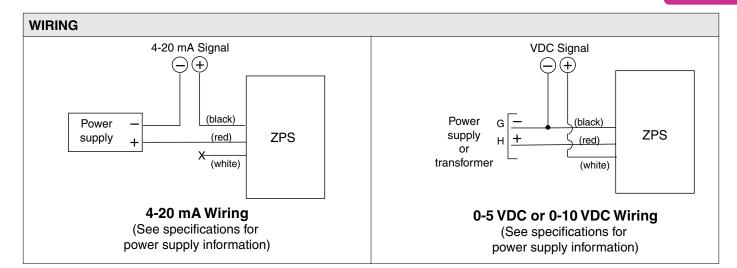
1.0 lb (0.45 Kg) CE, RoHS

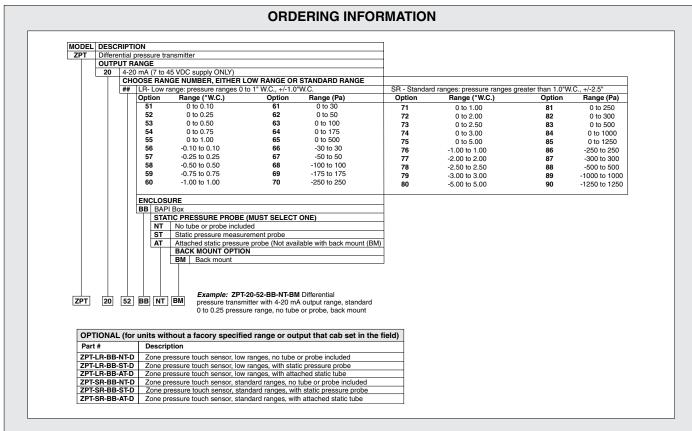
3 years

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A-301-K A-302-K A-308-K A-345-K RPS RPS-I RPS-U SD-01 T-101 ZPS-ACC10 ZPS-ACC12	RELATED PRODUCTS Duct static pressure tip, 1/4" compression Duct static pressure tip, 1/4" barb Duct static pressure fitting, 1/4" barb Duct static pressure fitting, 1/4" barb Flange mounting kit (1 required for each A-301-K or A-302-K) Stainless steel room pressure sensor, 1/4" barb Ivory plastic room pressure sensor, 1/4" barb White plastic room pressure sensor, 1/4" barb Surge dampener 1/4" 0D black poly tubing, 1 coil, 250 ft (76 m) 2" X 4" Stainless steel wall plate with static pickup Rooftop or wall-mount outside air pressure pickup port Pitot pressure probe assy, 6" long (includes static & total probe assy)

September 2016