



HOBO[®] T-VER-PX3UL Sensor

Differential Air Pressure Transducer Sensor

The T-VER-PX3UL transducer can measure either air pressure or velocity with the flip of a switch. The PX3 is available in three installation configurations: duct, panel, or universal. Duct and panel models have two pressure and velocity range options: 0-1" WC / 0-3,000 ft/min or 0-10" WC / 0-7,000 ft/min, with seven field-selectable sub-ranges for pressure and eight for velocity. All variants are available with and without display. The PX3 has an IP65/NEMA 4 environmental rating.

Requirements for use with specific data loggers:

HOBO MX1100 series: a 0-5 Volt DC input cable (SD-VOLT-05) and external power provided by an AC adapter (AC-SENS-1) HOBO U12, UX120-006M, or ZW series: a 0-5 Volt DC input cable (CABLE-ADAP5) and external power provided by an AC adapter (AC-SENS-1) HOBO RX3000: an analog input module (RXMOD-A1) HOBO U30: an analog input module (VIA) HOBO H22: an analog input module (S-FS-CVIA)

Supported Measurements:

Differential Pressure

Key Advantages:

- Switch-selectable ranges and scales reduce setup time
- High reliability sensor technology for long-term maintenance-free operation
- Monitors positive and negative pressure for application versatility



HOBO T-VER-PX3UL Sensor Specifications

- Media Compatibility Dry air or inert gas
- Input Power 12-30VDC, or 24VAC nominal
- Output Field-selectable: 2-wire, loop-powered 4-20mA (DC only, clipped and capped) or 3-wire 0-5V/0-10V
- Pressure Ranges: Unidirectional: 0.1/0.25/0.5/1.0" W.C. F.S. (25 pa/50 pa/100 pa/250 pa, F.S.), switch selectable; Bidirectional: $\pm 0.1/\pm 0.25/\pm 0.5/\pm 1.0$ " W.C. F.S. (± 25 pa/ ± 50 pa/ ± 100 pa/ ± 250 pa, F.S.), switch selectable
- Response Time Standard: T95 in 20 sec, Fast: T95 in 2 sec, switch selectable
- Mode Unidirectional or bidirectional, switch selectable
- Display (option) Signed 3-1/2 digit LCD, indicates pressure, overrange indicator
- Proof Pressure 3 psid (20.6kPa)
- Burst Pressure 5 psid (34.5kPa)
- Accuracy $\pm 1\%$ F.S. of selected range (combined linearity and hysteresis)
- Temperature Effect 1" 0.05%/°C; 10"
- Zero Drift (1-year) 1" 2.0% max.
- Zero Adjust Pushbutton auto-zero and digital input (2-pos terminal block)
- Operating Environment 0° - 60°C (32° to 140°F); 0 to 90% RH non-condensing
- Fittings Brass barb; 0.24" (6.1mm) o.d.
- Physical UL 94 V-O Fire Retardant ABS

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