



Veris Differential Air Pressure & Air Velocity Transducer Sensor - with LCD Display

Product Images



Short Description

Measure either air pressure or velocity with the flip of a switch. The T-VER-PX3U 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.

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Requires analogue input option during RX3000 or U30 system configuration and use of a S-FS-CVIA when using the H22-001 data logger. When using a U12 data logger, this sensor requires an 0-5 Vdc analog input cable (CABLE-ADAP5) and external power provided by an AC adapter (AC-SENS-1).

Key Features of the T-VER-PX3U

- 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.

Additional Information

Explanation	<p>To see the full specifications for this product, please see the User Manual found under the resources tab.</p> <ul style="list-style-type: none">• 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. ($\pm 25$ 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: 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.
Brand	Onset HOBO
Typical applications	Building Monitoring, Building Performance, Environmental (Indoor), HVAC
Measurements	Air Velocity, Differential Pressure
Compatible With	For use with HOBO® H22, U12, U30, UX120-006M, MX1104, MX1105, and RX3000 data loggers and HOBO ZW data nodes