



DISCONTINUED: TSI 8495

Product Images



Short Description

The TSI Alnor 8495 transducer display & monitor provides a scaleable digital display for transducers with current or voltage outputs. The 8495 is an ideal accessory for TSI's Air Velocity Transducers, providing flexibility in outputs while also powering the transducer.

Description

The monitor's variable time constant controls the response time of the display. High and low alarms can indicate readings outside of a user-defined range. These alarms can be audible, visual and/or remote via relay contacts. The 8495 also provides 500 mA of unregulated 12 V DC power to operate your transducer. The microprocessor-based design provides flexibility through menu-driven, field selectable options including signal input, full scale reading, time constant and alarm levels.

The adjustable full scale reading of the 8495 allows you to scale the display to fit your application. For example, if mounting the transducer in a duct, you can select a full scale reading that includes a multiplication factor to convert to units of volumetric flow rate or even mass flow rate. The span adjustment can be used as a density correction factor, allowing you to correct the readings for changes in temperature or pressure. When using an air velocity transducer in a fluctuating flow, increasing the variable time constant will provide a more stable display of velocity or flow. If monitoring velocity or flow in a critical process application, using the high and low alarms will indicate readings outside of an acceptable range.

Features

- Accuracy: $\pm 0.25\%$ of reading ± 1 digit of resolution
- Time Constant: 1 to 20 seconds in 1 second intervals
- Transducer Connections: Detachable terminal strip
- Display: 5 digit LED
- Output Power: 12 VDC unregulated
- Signal Input Ranges: 0-5VDC, 1-5VDC, 0-10VDC, 2-10VDC, 0-20mA, or 4-20mA
- Temperature Stability: 0.0014%/°F (0.003%/°C)
- Temperature Range: 32 to 122°F (0 to 50°C)
- Input Impedance: Greater than 500K Ω for 0-5 V input, greater than 1M Ω for 0-10 V input, 250 Ω for current input
- Includes calibration certificate

Additional Information

Promotion	DISCONTINUED. For alternatives, see the full range of Transducers.
Brand	TSI
Typical Application	LCD Display
Typical applications	Environmental (Indoor)
Measurements	Air Velocity
Compatible With	U30, H21, H22, ZW, U12