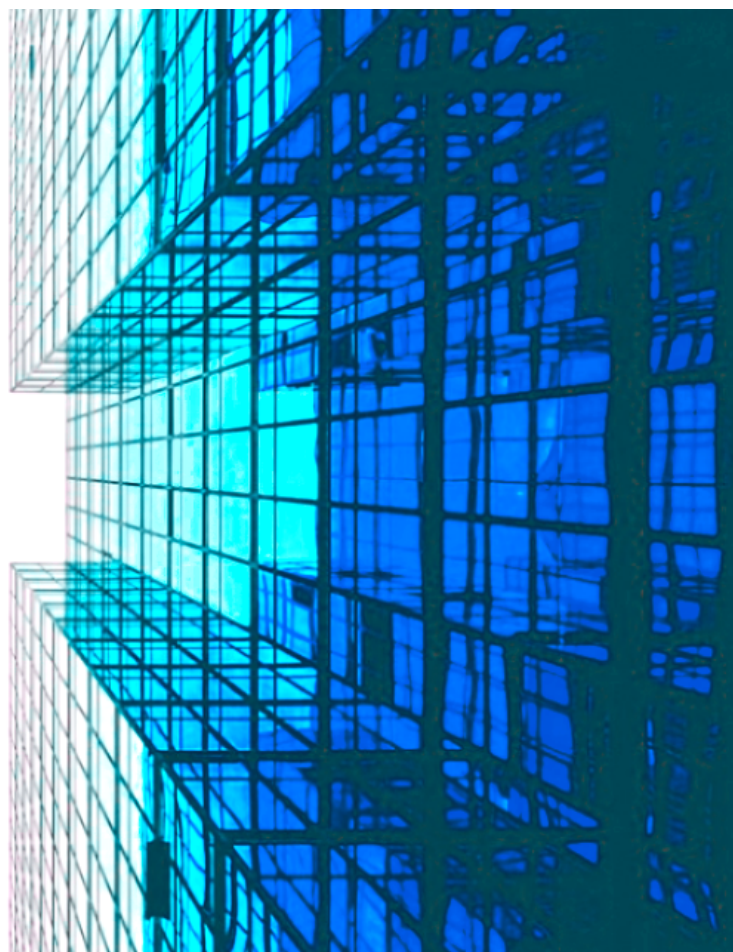




PX-AVT TRANSMITTER

2021 CATALOGUE



THE PX-AVT TRANSMITTER IS A RUGGED DEVICE WITH A LCD, MULTIPLE ENGINEERING UNITS AND OUTPUTS. THIS DEVICE SERVES AS A TRANSMITTER WITH A BUILT-IN SENSOR FOR AIR VELOCITY MONITORING & CONTROL.



GENERAL FEATURES & SPECIFICATIONS



Electrical Features

- Input Voltage: 16~28VAC/ 16~35VDC
- Output Load: $\leq 500\Omega$ (current), $\geq 2K\Omega$ (voltage)
- Output: 4~20mA(3 wires), 0~10V/0~5VDC, RS485/Modbus
- Units: m/s or ft/s, selected by DIP switches
- CE Approval

Environmental Limits

- Operating Temperature: -20° to 70° C
- Operating Humidity: 0% to 95% RH (non-condensed)
- Temperature compensation: 10~40°C
- Protection Level: IP65

Structure

- Material: Fire retardant UL94V-0
- Net weight: Approx. 440g

Display

- Display: LCD module

Sensors

Air Velocity: Hot-film

- Range: 0~5/10/15/20m/s or 0~16/32/48/64ft/s, selectable
- Accuracy: m/s: $\pm(0.2\text{m/s}+5\% \text{ reading})$ or $\pm(0.2\text{m/s}+3\% \text{ reading})$
@0.5~20m/s; ft/s: $\pm(0.65\text{ft/s}+5\% \text{ reading})$ or $\pm(0.65\text{ft/s}+3\% \text{ reading})$ @1.6~64ft/s 25°C, 55%RH, 1013hPa
- Response Time: typical 2s
- Angle dependence: $< 3\% \text{ reading} @ |\Delta\alpha| < 10^\circ$
- Temp. output (option): Range 0~50°C, accuracy $< \pm 0.5^\circ\text{C} @ 25^\circ\text{C}$

Model	AVT				Duct mount air velocity transmitter Remote mount air velocity transmitter
Accuracy		5			$\pm(0.2\text{m/s}+5\% \text{ reading})$
Output			1 8		4~20mA/0~10V/0~5VDC RS485/Modbus
LCD Display			0 1		N/A LCD
Probe Length				1 2 3	213 mm 273 mm 333 mm

- All products are factory set to 4-20mA as output default, and can be set to 0-10V or 0-5V by DIP switch.
- When temperature output is needed, add suffix -T after the model number. And the output is the same as air velocity

