

Datasheet:

TAT-1– Air Velocity and Temperature Transmitter Instrument



The transmitter Model TAT-1 is especially designed for monitoring the "Indoor Air Quality" in the air conditioning, heating, and ventilation industry.

Specifications:

Sensors:

Air Velocity: Remote Rotating vane probe with 5' cable (your choice 1" or 2.75" diameter)
Temperature: PT100 RTD

Range:

Air Velocity:
AP275 Probe: 40 to 7800 FPM (0.2 to 40.0 MPS)
AP100 Probe: 60 to 6800 FPM (0.3 to 35.0 MPS)
Temperature: -5° to 175°F (-20° to 80°C)

Accuracy:

Air Velocity: $\pm 1\%$ of measured value
Temperature: $\pm 0.5^{\circ}\text{C}$

Response Time:

Air Velocity: 2 second average & update
Temperature: Approximately 60 seconds

Output:

0 to 1 VDC for 0 - 7800 FPM
0 to 1 VDC for 0 - 7800 FPM
4 to 20 mA DC for 0 - 7800 FPM
0 to 1 VDC for -20° to 80°C
0 to 5 VDC for -20° to 80°C
4 to 20 mA DC for -20° to 80°C

Operating Range:

-4° to 175°F (-20° to 80°C)

Power Supplies:

120 VAC, 50/60 Hz
220 VAC, 50/60 Hz
10 to 30 VDC

Housing:

ABS Plastic, Splash resistant

Dimensions:

Housing: 4.8" X 4.8" X 2.2"
Probe Head AP275: 2.75" diameter
Probe Head AP100: 1.00" diameter

Weight:

18 Ounces

Optional:

Digital Display
RS-232 Data link