The Series VTT Hot-Wire Air Velocity and Temperature Transmitter provides a versatile unit for air velocity and temperature needs. The VTT offers five field-selectable ranges as well as operating in metric (m/s, ºC) or english (fpm, ºF) units. The VTT can measure up to 30 m/s (6000 fpm) and 50ºC (122ºF). The units are available with or without an LCD display which alternates between velocity and temperature. Series VTT can be ordered in duct mount or remote mount configurations with 4-20 mA or 0-10V outputs. The VTT is a useful transmitter for many common HVAC applications.

**SPECIFICATIONS**

- **Service:** Clean air and compatible, non-combustible gases.
- **Accuracy:** Air velocity: ±3% of reading ±60 fpm (±0.3 m/s); Temperature: ±0.5% of reading ±0.6°F (±0.4°C).
- **Temperature Limits:** Ambient and process: 32 to 122°F (0 to 50°C); Note chart below for temperature effects on range. Storage: 14 to 158°F (-10 to 70°C).
- **Power Supply:** 24 VAC/VDC (±10%) 3-4 wires.
- **Current Consumption:** 4-20 mA output: 80 mA maximum; 0-10 V output: 40 mA.
- **Response Time:** Air velocity: 2 seconds to 1/e (63%) of final value; Temperature: 5 seconds to 1/e (63%) of final value.
- **Maximum Loop Resistance:** 4-20 mA output: 500 Ω; 0-10 V output: 1 kΩ.
- **Display:** 5 digit, Resolution 1 fpm (0.1 m/s) 1.0°F (0.1°C). Alternates between velocity and temperature.
- **Electrical Connection:** Screw terminal block.
- **Cable Length (Remote Probe):** 6.56 ft (2 m).
- **Enclosure Rating:** ABS rated NEMA 4X (IP65).
- **Mounting:** Can be mounted in any orientation. Probe must be aligned with airflow. Mounting accessory included.
- **Weight:** With display: 0.32 lb (145 g); Without display: 0.24 lb (110 g).
- **Agency Approvals:** CE.

### Field Selectable Velocity Ranges

<table>
<thead>
<tr>
<th>Metric</th>
<th>Imperial</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 5 m/s</td>
<td>0 to 1000 fpm</td>
</tr>
<tr>
<td>0 to 10 m/s</td>
<td>0 to 2000 fpm</td>
</tr>
<tr>
<td>0 to 15 m/s</td>
<td>0 to 3000 fpm</td>
</tr>
<tr>
<td>0 to 20 m/s</td>
<td>0 to 4000 fpm</td>
</tr>
<tr>
<td>0 to 30 m/s</td>
<td>0 to 6000 fpm</td>
</tr>
</tbody>
</table>

### Air Velocity Range Capability vs. Temperature

- **Maximum possible measurements ranges based on working temperatures**
- **View PDF**