



## AIR VELOCITY TRANSMITTER AVU SERIES

NEW!



AVU Series



6

FLOW

### DESCRIPTION

The **Dwyer AVU Series air velocity transmitter** is ideal for a wide range of HVAC measurement and control applications, particularly in complete building control and energy management systems. The **AVU Series** is available with 5% or 8% accuracy at a surprisingly low cost, with 9 models covering ranges from 0-785 FPM to 0-3150 FPM, with either 4-20 mA or 0-10 VDC output.

The **AVU Series** transmitter operates by measuring the heat loss from one of the two sensing elements in the air stream, then calculating the air velocity. Units are virtually immune to drift due to the design of the sensing element, which makes the transmitter accurate over the whole air velocity range.

### FEATURES

- 4-20 mA or 0-10V output versions
- NEMA 6 (IP67) enclosure rating
- AC or DC powered (loop version DC only)
- 5% or 8% accuracy

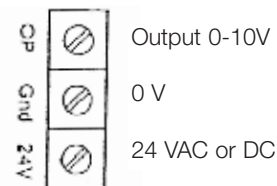
### SPECIFICATIONS

<b>Output Signal</b>	4-20 mA current loop
<b>Accuracy</b>	±5% of full scale
<b>Loop Resistance</b>	700Ω
<b>Current Consumption</b>	60 mA plus output current
<b>Max. Start Up Current</b>	85 mA; 10V
<b>Power Requirements</b>	24 VDC ±10%-15%
<b>Response Time (90%)</b>	5 sec (typical)
<b>Electrical Connections</b>	Screw terminal, cable gland for 4-8 mm wire (16 gauge wire)
<b>Mounting Orientation</b>	Unit not position sensitive, probe must be aligned with airflow
<b>Operating Temperature</b>	32° to 122°F (0 to 50°C)
<b>Operating Humidity</b>	0% to 90% RH, non-condensing
<b>Media Compatibility</b>	Clean air and compatible, non-combustible gases
<b>Enclosure Rating</b>	NEMA 6 (IP67) except sensing point
<b>Probe Dimensions</b>	0.75"H x 9.45"W (1.9 x 24 cm)
<b>Approvals</b>	CE
<b>Weight</b>	0.6 lb (0.3 kg)
<b>Warranty</b>	1 year

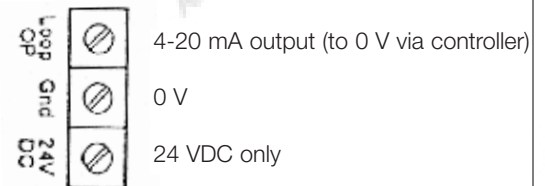
### WIRING

#### Connection Diagrams

For 0-10 VDC output versions



For 4-20 mA output versions



### ORDERING INFORMATION

**MODEL**  
AVU-2-A

#### DESCRIPTION

Air velocity transmitter, 0-1575 fpm (0-8 m/s), 4-20 mA, 5%