

## AVTP Air Velocity Transmitters



### Key Features:

- Accurate velocity measurement
- 0-10V with 4-20mA outputs with input protection
- Fully calibrated
- Compatible with multi-point velocity probes

### Product Overview:

The AVTP air velocity transmitter is designed for accurate measurement and control in ventilation systems, fan speed regulation, and air velocity monitoring. It features a solid-state, temperature-compensated differential pressure cell paired with a microprocessor to deliver excellent linearity, high accuracy, and sensitivity.

The AVTP includes one-touch zero calibration and offers user-selectable velocity ranges. Output options include 0-5V, 0-10V, or 4-20mA, with an optional LCD display showing real-time values and selected ranges in either m/s or fpm.

Supplied with 2 metres of 6mm diameter tubing, the AVTP is compatible with any velocity probe, making it a reliable and flexible solution for HVAC applications.

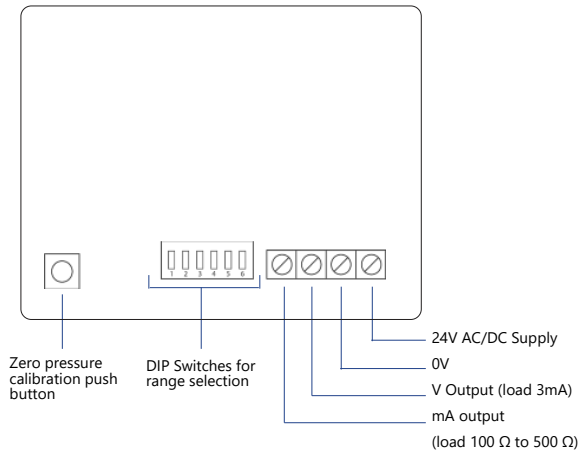
### Technical Specifications:

Selectable Ranges for AVTP8/10	0-5 m/s, 0-10m/s (0-1000 fpm, 0-2000 fpm)	Accuracy @ 25°C: AVTP8/10	+/- 3% of measured value
Selectable Ranges for AVTP8/28	0-15 m/s, 0-20 m/s, 0-28 m/s (0-3000, 0-4000, 0-5500 fpm)	AVTP8/25	+/- 4.5% of measured value
Supply:	24V AC/DC +/-15%	Warm Up Time:	0.5 Seconds
Power Consumption:	Standard: 100mA With Display: 130mA (max)	Response Time:	0.5 Seconds
Min Operating AVTP8/10:	0.45 m/s (88 fpm)	Operating Temperature:	-20 to +70°C
Min Operating AVTP8/28:	0.5 m/s (98 fpm)	Operating Humidity:	0-80% Non-condensing
Outputs:	0-5V, 0-10V with 4-20mA	Pressure Overload:	100K Pa
Output Resolution:	1% of output range	Enclosure:	Flame Retardant ABS IP51 (IP65 option available)

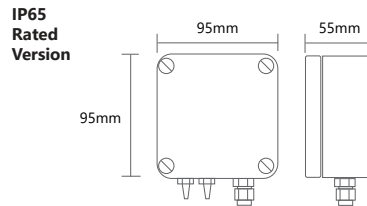
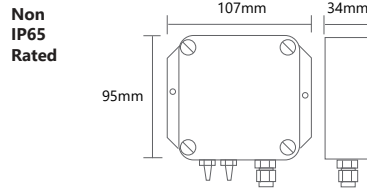
### Partcodes:

AVTP010	2 ranges 0-5m/s and 0-10m/s Air velocity transmitter 0-10v and 4-20mA output
AVTP3010	2 ranges 0-5m/s and 0-10m/s Air velocity transmitter 0-10v and 4-20mA output c/w Display
AVTP65010	2 ranges 0-5m/s and 0-10m/s Air velocity transmitter 0-10v and 4-20mA output c/w IP65 Housing
AVTP010420	3 ranges 0-15m/s, 0-20m/s and 0-28m/s Air velocity transmitter 0-10v and 4-20mA output
AVTP3010420	3 ranges 0-15m/s, 0-20m/s and 0-28m/s Air velocity transmitter 0-10v and 4-20mA output c/w Display
AVTP65010420	3 ranges 0-15m/s, 0-20m/s and 0-28m/s Air velocity transmitter 0-10v and 4-20mA output c/w IP65 Housing
AVPTP100	Air velocity multi-point probe - 100mm
AVPTP200	Air velocity multi-point probe - 200mm
AVPTP300	Air velocity multi-point probe - 300mm
AVPTP400	Air velocity multi-point probe - 400mm
AVPTP500	Air velocity multi-point probe - 500mm
	<i>Other lengths available upon request</i>

### Connections:



### Dimensions:



**Important**  
This is an IP65 rated enclosure DO NOT DRILL - use fixing holes provided

### Range Selection:

#### Display (when used)

SW2	Display units
ON	SI unit displayed
OFF	Imperial unit displayed

#### Velocity

SW4	SW5	AVTP8/10	AVTP8/28
ON	ON	0 - 5 m/s	0 - 15 m/s
OFF	ON	0 - 10 m/s	0 - 20 m/s
ON	OFF	0 - 5 m/s	Not used
OFF	OFF	0 - 10 m/s	0 - 28 m/s

#### Output selection

SW6	Signal output voltage
ON	0 - 10V
OFF	0 - 5V

Note: SW1 to remain OFF at all times

#### Notes:

1. Non-linearity and hysteresis is quoted as the best line fit for offset velocity pressure, full scale and 1/2 full scale velocity pressure.
2. Pressure overload is the maximum differential pressure which may be applied without causing damage to the sensing element.
3. Electromagnetic compatibility: complies with EN 50081, EN 50082-2, EN 50090-2-2.
4. CE Mark: In accordance with the EMC guidelines and the low voltage directive.