

# AIR VELOCITY TRANSMITTER - AVT

The air velocity transmitter is delivered individually packed with standard accessories (see accessories)

AVT-D-R: relay model is always equipped with display. The switching point and the hysteresis of relay can be configured by jumper, pushbutton and display user interface. See the installation chapter for more details.



## Model Summary

Product type (-D for display) (-R for relay)	Product code	Measurement range (velocity)	Accuracy of velocity	Measurement range (temperature)	Accuracy of temperature
AVT	117.004.001	0...2, 0...10, 0...20m/s	<0,1m/s +5% from reading	0...50°C	<0,5°C (v > 0,5m/s)
AVT-D	117.004.002	0...2, 0...10, 0...20m/s	<0,5m/s +5% from reading	0...50°C	<0,5°C (v > 0,5m/s)
AVT-D-R	117.004.003	0...2, 0...10, 0...20m/s	<1,0m/s +5% from reading	0...50°C	<0,5°C (v > 0,5m/s)
AVT-R	117.004.004	0...2, 0...10, 0...20m/s	<1,0m/s +5% from reading	0...50°C	<0,5°C (v > 0,5m/s)

## Technical Data

Suitable media:	Air	
Measurement element:	Pt1000 and ntc10k	
Electrical interface	Supply voltage	24VDC/24VAC ± 10%
	Current consumption	35mA (50mA with relay) + 40mA with mA-outs
	Output Signal 1	0...10V (linear to °C), L min 1Ω or 4...20mA (linear to °C), L max 400 Ω
	Output Signal 2	0...10V (linear to m/s), L min 1Ω or 4...20mA (linear to m/s), L max 400 Ω
	Optional relay output	Potential free SPDT 250VAC, 6A / 30VDC, 6A with adjustable switching point and hysteresis
Materials	Housing	ABS
	Cover	PC
	Probe pipe	Stainless steel
Connections	Electrical connections	4+3 screw terminals, max 1.5mm <sup>2</sup>
	Cable entry	M16 for power supply M16 for relay output
Weight	220 grams	
Dimensions (housing)	90,0 x 71,5 x 36,0 mm	
Dimensions (probe)	Outer diameter 10mm, length 210mm from bottom of the cover Adjustable Immersion length 50..180mm, with flange	
General ambient condition	Operation 0...+50°	Storage -20...+70° C
Safety	Protection Standard	IP54
	Conformance	Meets the requirements for CE marking: EMC Directive: 2004/108/EC RoHS Directive: 2002/95/EC LVD Directive: 2006/95/EC WEEE Directive: 2002/96/EC

### Dimensions

