

AIR VELOCITY AND TEMPERATURE TRANSMITTER IVL 20

IVL 20 air velocity and temperature transmitter is designed for HVAC applications. Output signals correspond to the air flow velocity and temperature inside the ventilation duct.

Transmitter is to be mounted in the duct, on a place where the air flow is as laminar as possible. Both outputs can be separately selected to be either 4...20 mA or 0...10 V outputs.

The N model display resolution is 0,1 m/s for velocity and 0,1 °C for temperature. The display can be added also after commissioning.

The measurement values scroll on the display. The wanted value can be locked to view continuously by removing the jumper on back of the display board.

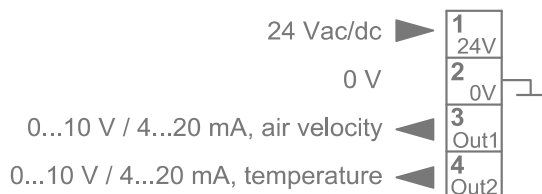
All models are also available with a 100 and 400 mm long stem.

Output signal selection

	4...20 mA	*0...10 V
out 1	<input type="checkbox"/>	<input type="checkbox"/>
out 2	<input type="checkbox"/>	<input type="checkbox"/>

* = factory setting

Wiring



Technical data:

Supply	24 Vac (22...28 V), < 1,5 VA 24 Vdc (23...28 V), < 1,5 W
Ranges	
Velocity	0...20 m/s
Temperature	0...50 °C
Outputs	0...10 V, < 2 mA, 4...20 mA, < 600 Ω
Accuracy	
Velocity	±1 m/s ±7% from reading (at 25 °C)
Temperature	±0.5 °C (25 °C, > 0.5 m/s)
Operating temp.	0...50 °C
Mounting	by adjustable flange
Stem	10 x 200 mm
Housing	IP54 (transmitter), probe or cable gland downwards
Materials	PBT, PC, PA and stainless steel

Ordering guide:

Model	Product number	Description
IVL 20	1130050	air flow transmitter 0...20 m/s, immersion length 50...190 mm
IVL 20-N	1130053	air flow transmitter 0...20 m/s with display, immersion length 50...190 mm
IVL 20-100	1130054	air flow transmitter 0...20 m/s, immersion length 50...90 mm
IVL 20-400	1130052	air flow transmitter 0...20 m/s immersion length 50...390 mm
DPM 7	1186026	display cover

Products fulfill the requirements of directive 2004/108/EC and are in accordance with the standards EN61000-6-3 (Emission) and EN61000-6-2 (Immunity).