



## Air Flow and Temperature Transmitter

### TM-IVL

IVL 02 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.

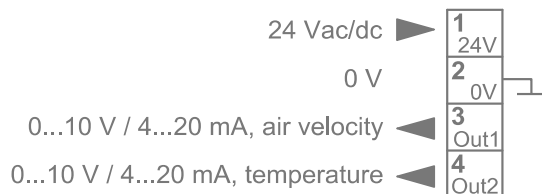
All models are also available with a 100 and 400 mm long stem.

#### Output signal selection

	4...20 mA	*0...10 V
out 1	<input type="checkbox"/>	<input checked="" type="checkbox"/>
out 2	<input checked="" 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...2 m/s Temperature 0...50 °C
Outputs	0...10 V, < 2 mA, 4...20 mA, < 600 Ω
Accuracy	Velocity ±0.1 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 02	1130030	air flow transmitter 0...2 m/s, immersion length 50...180 mm
IVL 02-N	1130032	air flow transmitter 0...2 m/s with display, immersion length 50...180 mm
IVL 02-100	1130034	air flow transmitter 0...2 m/s, immersion length 50...80 mm
IVL 02-400	1130031	air flow transmitter 0...2 m/s immersion length 50...380 mm
DPM 7	1186026	display cover

All specifications are subject to change without notice



# TECHMARK

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## Air Flow and Temperature Transmitter

### TM-IVL

IVL 10 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.

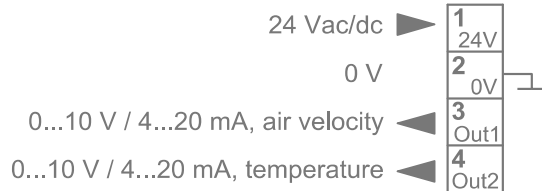
All models are also available with a 100 and 400 mm long stem.

#### Output signal selection

	4...20 mA	*0...10 V
out 1	<input type="checkbox"/>	<input checked="" type="checkbox"/>
out 2	<input checked="" 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...10 m/s
Temperature	0...50 °C
Outputs	0...10 V, < 2 mA, 4...20 mA, < 600 Ω
Accuracy	
Velocity	±0.5 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 10	1130010	air flow transmitter 0...10 m/s, immersion length 50...180 mm
IVL 10-N	1130012	air flow transmitter 0...10 m/s with display, immersion length 50...180 mm
IVL 10-100	1130014	air flow transmitter 0...10 m/s, immersion length 50...80 mm
IVL 10-400	1130011	air flow transmitter 0...10 m/s immersion length 50...380 mm
DPM 7	1186026	display cover

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## Air Flow and Temperature Transmitter

### TM-IVL

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.

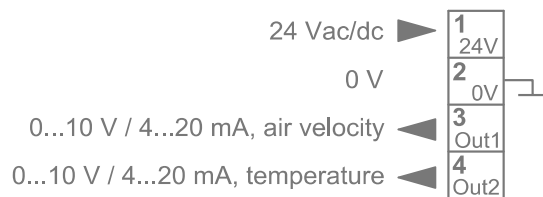
All models are also available with a 100 and 400 mm long stem.

#### 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...180 mm
IVL 20-N	1130053	air flow transmitter 0...20 m/s with display, immersion length 50...180 mm
IVL 20-100	1130054	air flow transmitter 0...20 m/s, immersion length 50...80 mm
IVL 20-400	1130052	air flow transmitter 0...20 m/s immersion length 50...380 mm
DPM 7	1186026	display cover

All specifications are subject to change without notice



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