

## REMOTE AIR FLOW SENSOR

Remote transmitter for air velocity with adjustable length probe



### FEATURES

- High accuracy and long term stability
- Resistance to pollution and mechanical stress
- Remote probe and duct mount versions available
- Analog 0-10V output signal
- Easy installation with adjustable mounting flange
- Field selectable ranges measuring ranges
- Clearly marked depth measurement markings on probe
- CE & RoHS compliant
- 5 year limited warranty
- Made in the Netherlands

### GENERAL INFORMATION

Air velocity transmitters are dedicated for accurate and reliable measurement in building automation and ventilation applications. Transmitters employ sensor element which operates on the thermal anemometer principle based on thin film technology.

The Tasseron Air Flow Series is available in either duct mount or remote probe options and offer two field selectable measuring ranges: 0...10 m/s (0...2000ft/min) and 0...20 m/s (0...4000ft/min). The ranges are preset to the desired range able to be easily changed. The output signal is fixed analog 0-10V for the programmed range.

The probe is clearly marked with measurements for accurate installation. The sensor is also equipped with an adjustable mounting flange to allow for proper depth installation depending on the application requirements.

### SPECIFICATIONS

#### General:

Operating Range:	-10...50°C / 23...122°F
Supply Voltage:	19-29VDC or 24VAC±20%
Supply Current DC:	70mA
Supply Current AC:	170mA <sub>eff</sub>
Power Consumption:	3VA for 24VAC, 3W for 24VDC (peak);

## SPECIFICATIONS CONT.

Enclosure Rating:	IP65; NEMA 4X, remote probe IP20
Enclosure Material:	PC/ABS UL 94 V-0, UV resistant injection-molded
Cover:	Removable Quick snap/hinged cover
Probe:	AISI 316L; 8in. Length (205mm), 12mm diameter
Mounting:	remote, M16 cable inlet
Cable:	PVC HT
Cable Length:	1m
Connection:	AWG 30-16 (max 1.5mm <sup>2</sup> ) spring-loaded, Quick Connect wire terminals
Output Signal:	Analog 0-10V
Measurement Range 1:	0...10m/s; 0...2000ft/min. (selectable)
Measurement Range 2:	0...20m/s; 0...4000ft/min. (selectable)
Accuracy:	0.2 m/s + 3% measured value (@20°C, 45% RH, 1013 hPa)
Response Time:	t90 <4 sec
Warm Up Time:	< 1 minute
Sensing Technology:	Thermal anemometer thin film
Working temperature probe:	-25...+50 °C (-13...122 °F)
Working temperature electronics:	-10...+50 °C (14...122 °F)
Storage temperature:	-30 °C ...+60 °C (-22 °F...158 °F)
Working / Storage humidity:	5%...95% RH, no condensation\
Terminal Assignment:	1—V+ 2—GND 3—GND 4—AV
Approval:	CE, REACH & RoHS compliant
Warranty:	5 year limited warranty
Accessories:	1/2" NPT Conduit Adapter M16 Cable Gland Adjustable Depth Mounting Flange

## ORDERING INFORMATION

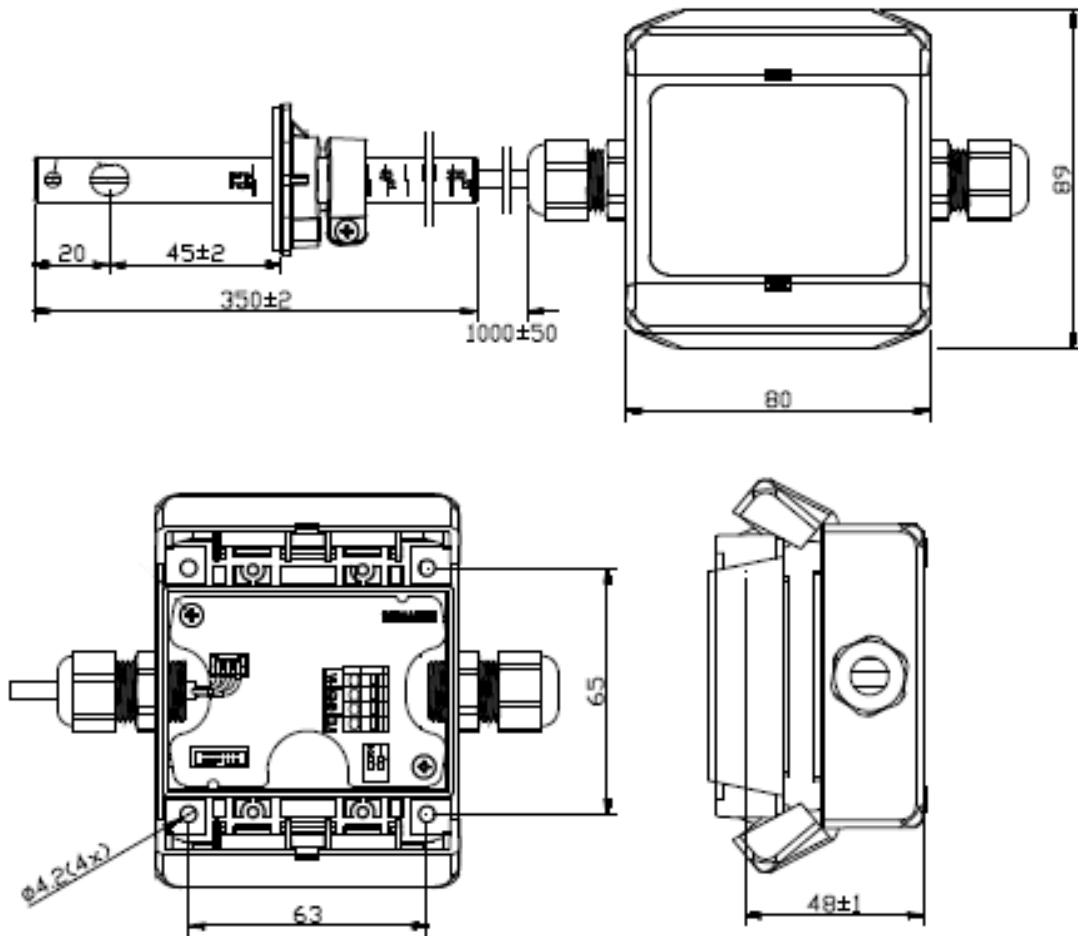
THFDEA0C—DUCT AIR FLOW 0...10m/s (0...2000ft/min), 0-10V

THFDEB0C—DUCT AIR FLOW 0...20m/s (0...4000ft/min), 0-10V

THFMA1C—REMOTE AIR FLOW 0...10m/s (0...2000ft/min), 1m CABLE, 0-10V

THFMB1C—REMOTE AIR FLOW 0...20m/s (0...4000ft/min), 1m CABLE, 0-10V

## MOUNTING AND DIMENSIONS



**Fig. 1. Dimensions (mm / inch)**  
1/2" NPT conduit adapter not shown