

# AIR VELOCITY SENSOR

## APPLICATION

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.

Available in duct mount or with a remote probe.

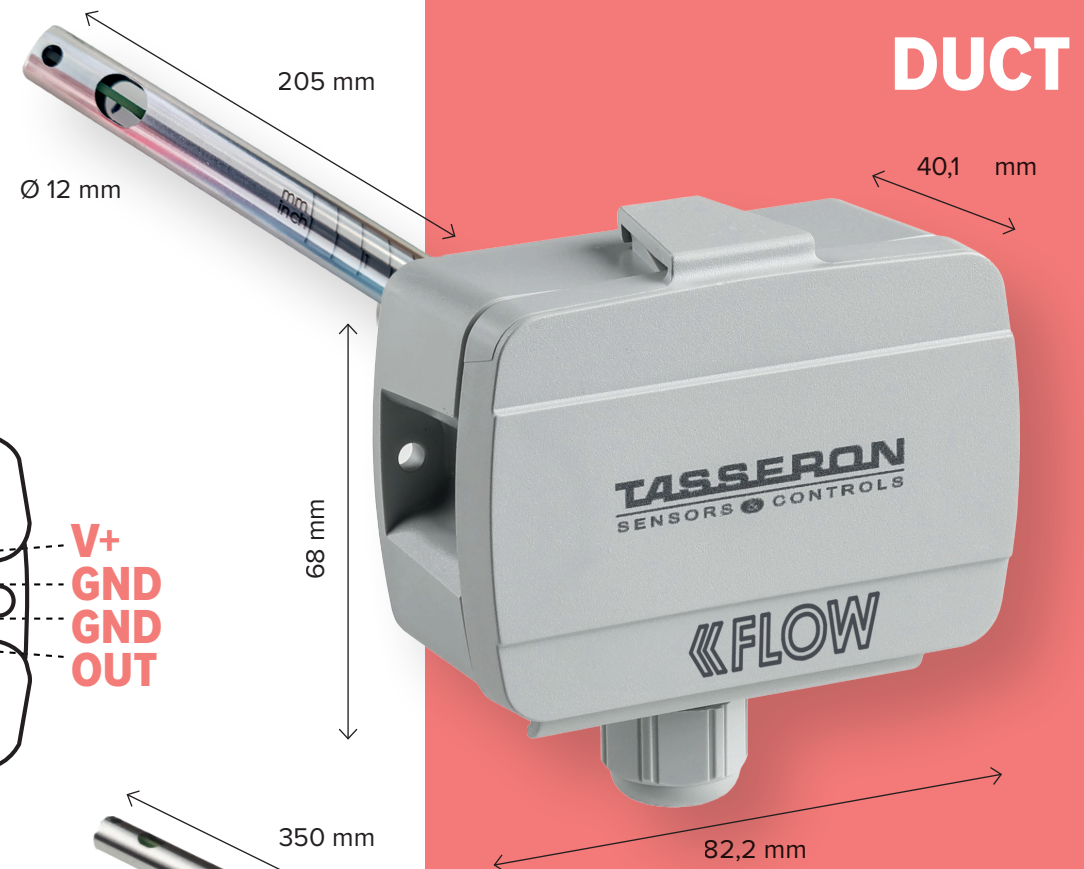
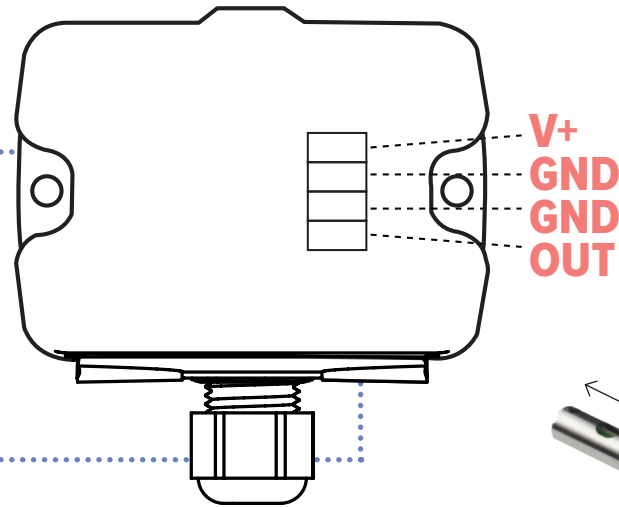
## MEASURING RANGE

2 – 10m/s (6 – 2000ft/min) or  
2 – 20m/s (6 – 4000ft/min)

Response time  $t_{90}$ : <4s

Warm up time: <1min

Accuracy: 0,2m/s + 3% of mv



DUCT

## Specifications

### GENERAL

Power supply: 24V AC/DC +/-20%  
Current consumption: @24V AC: typ. 170 mA  
@24V DC: typ. 70 mA  
Temperature range: -30 to 60°C storage  
-10 to 50°C operation  
-25 to 50°C probe  
Permitted RH: <95% RH, Non Condensing

### OUTPUT

0 – 10 V  
(other outputs on request)

### WIRING CONNECTIONS

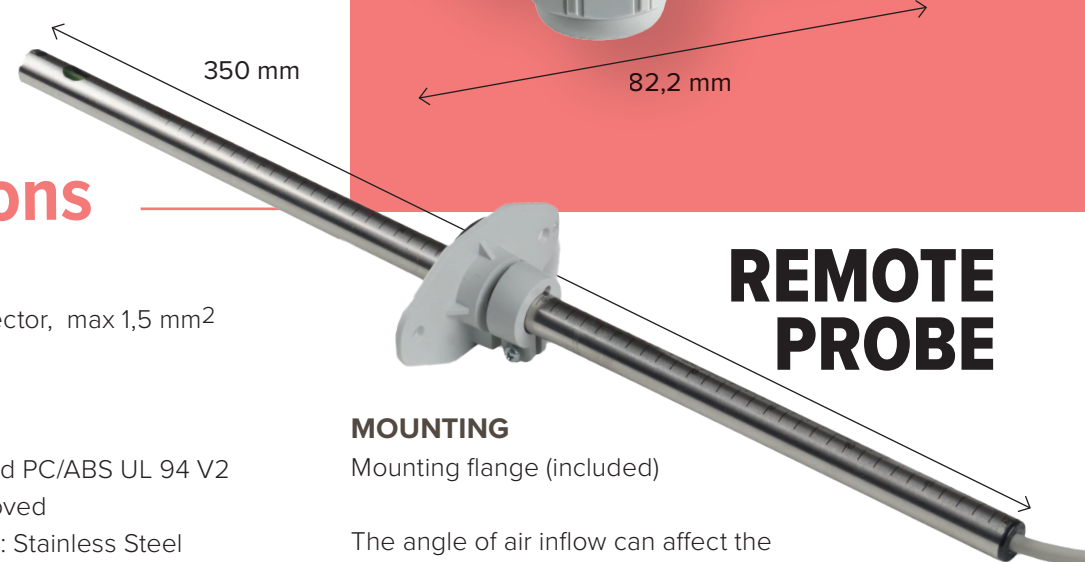
Spring-loaded push in connector, max 1,5 mm<sup>2</sup>  
Cable Gland

### ENCLOSURE

Material: Enclosure: PC and PC/ABS UL 94 V2  
Approved  
Probe: Stainless Steel  
Body: IP65  
Protection: Body: IP65  
Probe: IP20

### APPROVALS

RoHS, REACH, CE



REMOTE  
PROBE

### MOUNTING

Mounting flange (included)

The angle of air inflow can affect the measuring result. Please align the sensor according to the marking.

**TASSERON**  
SENSORS & CONTROLS