

AIRFLOW75 - AIR VELOCITY TRANSMITTER

AIRFLOW75 transmitter is a high precision in a wide range of measures of speed (m / s), volumetric flow (m³ / 1') and air temperature in pipelines. Based on calorimetric mass flow meter technology. The element, hot thin film high quality, is suitable up to 40 m / s and particularly lower air velocity. The integrated temperature compensation minimizes the effects of drift of the sensitivity on the measurement in a range from -40 ° C to + 120 ° C.

Smart electronic inside let us configure flowrate and totalizing ranges on function area section piping.

Applications

- Monitoring and control compressed air systems
- Control filters and dryers
- Control energy efficiency in HVAC systems
- Wind tunnel and climate simulators
- Pneumatic conveying systems
- Flow measurement in waste incinerators
- Clean rooms, pharmaceutical and semiconductor industries



Optional: flowrate and totalizer display with 1 or 2 alarm setpoints and or serial out communication. Model REG311.

TECHNICAL FEATURES

Range: standard air 25°C, 45%UR - 1013 hPa	0...2 m/s - +/- 0,05 m/s +0,5% m.v. 0...10 m/s - +/- 0,10 m/s +2% m.v. 0...40 m/s - +/- 0,20 m/s +2% m.v.
Thermal drift:	velocity = 0,005 % v.m. /°C - temperature = typical -0,01°C/°C
Output:	0...10V (-1 mA), ; 0-4...20 mA (<350 Ohm) velocity "n" 0...2/10/40 m/s - Temperature "B" -40...120°C - Flowrate "O" 0...1000 m3/1'
Response time:	< 1,5...40 sec (2 sec. Default)
Supply:	24V ac/dc +/- 20% - max 100 mA
Angle mounting:	<20° = < 3% pipe axial direction drift
Electrical connection:	cable gland max 1,5 mm ²
EMC approvals:	EN61000-6-3/2 ICES-003 CLASSB - FCC PART15 CLASSB
Materials:	metallic enclosure AISI3Cu, Probe stainless steel, sensor protection PBT, IP65
Temperature:	working probe = -40...+120°C (+/-0,5°C), electronic = -40...+60°C
Basic version:	remot with cable mounting 2 m. (std), on request 5, 10 m
Probe:	standard length 200 mm (others on request)



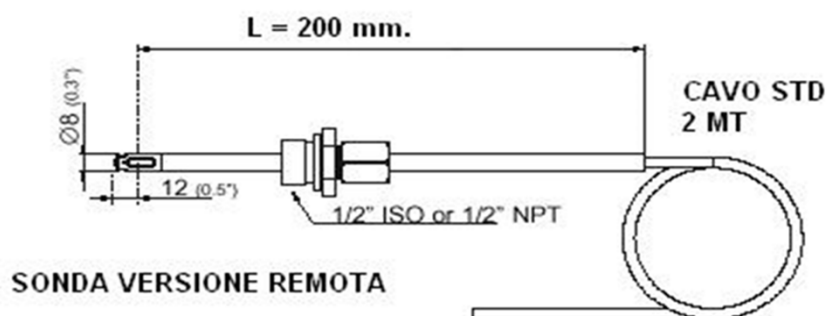
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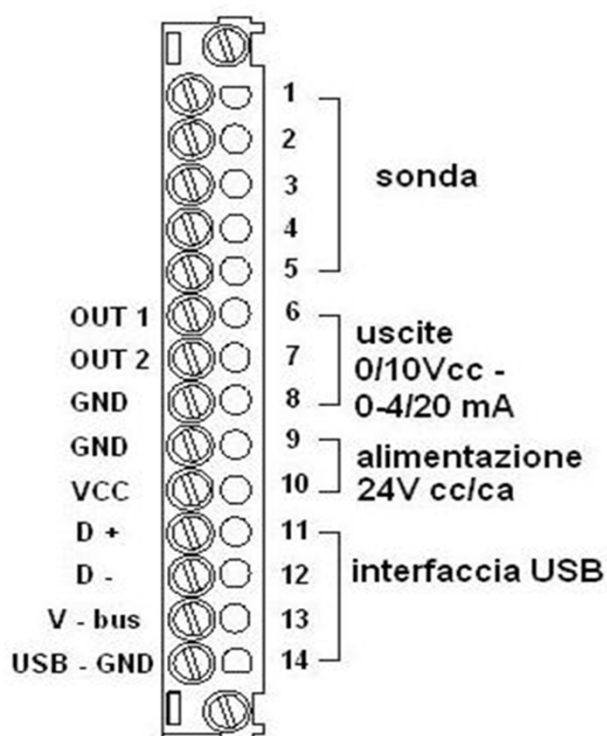
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VERSIONS



Remote version probe



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