

TTUPA250 ABSOLUTE HUMIDITY / TEMPERATURE TRANSMITTER

Dual absolute humidity and temperature transmitter with double independent 4/20 mA current output (optional 0/10V voltage output). Application in industrial processes and contaminated environments. Stainless steel probe with 20 microns sintered bronze filter. Fast response with rapid recovery time from saturation.

Application:

- textile industry
- chemical industry
- food industry
- paper production and storage
- drying wood
- furnaces / chimneys max 200 ° C
- Energy efficiency measures

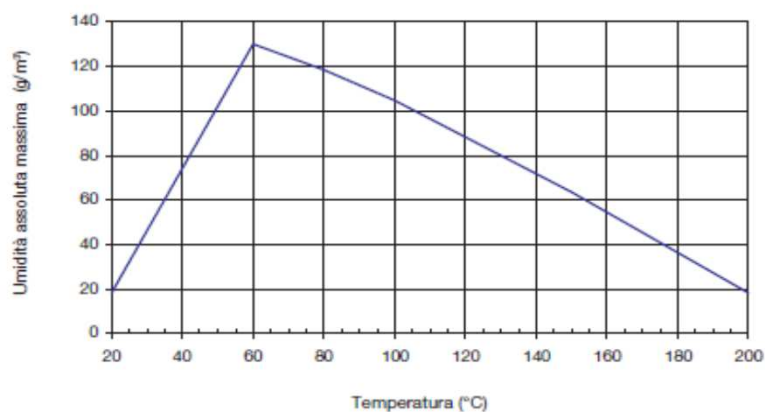


TECHNICAL SPECIFICATIONS

Power supply:	24Vac +/-10% 50...60 Hz; on request 115V or 230V ac
Typical consumption:	4 VA
Electronic operativity:	temperature -10...+70°C / 5...90%RH not condensing
Housing:	120x80x55 mm polycarbonate - IP66 probe excluded
Probe material:	stainless steel AISI304
Probe length:	127 mm or 227 mm
Cable length:	2 m or 5 m
Analog output:	2x 4/20 mA R <500 Ohm or 2x 0/10 Vdc R > 10 kOhm

Absolute humidity

Sensor:	thermal conductivity with double combined NTC
Sensor protection:	20 microns sintered bronze filter
Sensor range:	0...+200°C
Accuracy:	+/- 3 g/m ³ @ 35 g/m ³ and 40°C
Stabilization time:	on power 120 s
Repeatability:	+/-5%
Response time:	60 seconds with a standard filter for a variation of 63%
Measuring range:	0 ... 130 g / m ³ (0 ... 100% RH @ 60°C and 1013 hPa). The maximum value of the absolute humidity varies with the ambient temperature in according to the following diagram



Temperature

Sensor type:	4-wire RTD Pt100
Measuring range:	0...200°C
Accuracy:	1/3 DIN
Response time:	10 seconds for a variation of 63%



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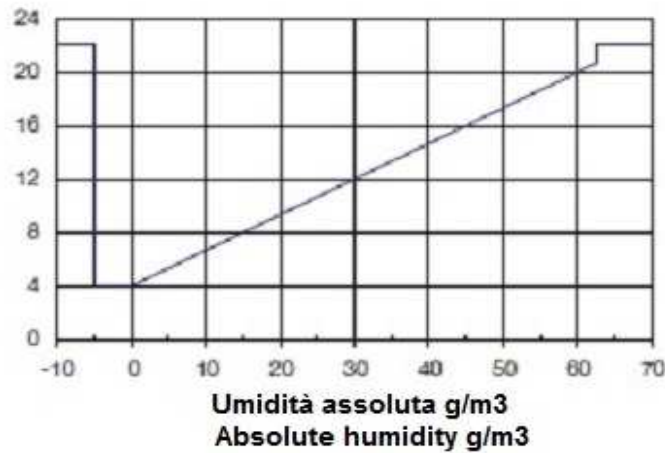
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TECHNICAL SPECIFICATIONS

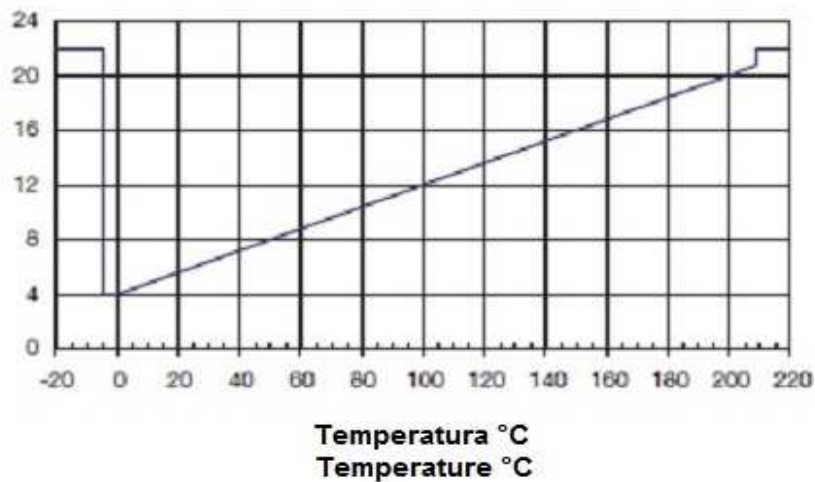
Uscita in corrente con range standard 0...60 g/m³
Current output with standard range 0-60 g / m³

Uscita in corrente 4/20 mA
4/20 mA current output



Uscita in corrente con range standard 0...200°C
Current output with standard range 0...200°C

Uscita in corrente 4/20 mA
4/20 mA current output



The probe is factory calibrated for each transmitter and requires no further intervention by the user.
Fast installation with excellent reproducibility if placed under air stream flowing at low speeds.

Fixing mounting accessories:

- Flange (code FLTR)
- PG16 metal cable diameter 10 ... 14 mm
- biconical universal fitting 3/8



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