

HumiTrans 200

The transmitter of the HumiTrans 200 series for environmental measures is a superior quality standard, both in its elements and in its features. Thanks to its high precision in the measurement of humidity and temperature, it can reach a speed and accuracy unknown until now.

The HumiTrans 200 is designed to work in adverse environments of both pollution and moisture concentration, without the LE10 sensor being affected. The HumiTrans 200 series is available for wall and duct mounting, in both cases the probe is mounted to the transmitter. It has two analogue humidity and temperature outputs configurable in voltage and current. The HumiTrans 140 can be adjusted / calibrated relative humidity by 2 push buttons on the electronic board.



APPLICATIONS

Greenhouses and farmers
Warehouses
Swimming pool and Sport
Centers
Home Automation
Weather Stations
Museums
Libraries

HIGHLIGHTS

Measure 0...100% RH
Accuracy 2% saturable
Traceable calibration
Working range -40°C...80°C
Excellent long-term stability

Technical Data

RH:

Sensor	LE10 Capacitive and Pt100 Ohm
Analog output 0...100% rh	0-10V 4-20 mA
Recommended work range	0...100% rh saturable
Accuracy at 20°C	±2% rh (0...90%) + 3% rh (90...100%)
Temperature deviation	Typical. ±0.03% rh/°C
Hysteresis 10% - 80% - 10%	< 2%rh
Traceable by international standards	ENAC, NIST, PTB

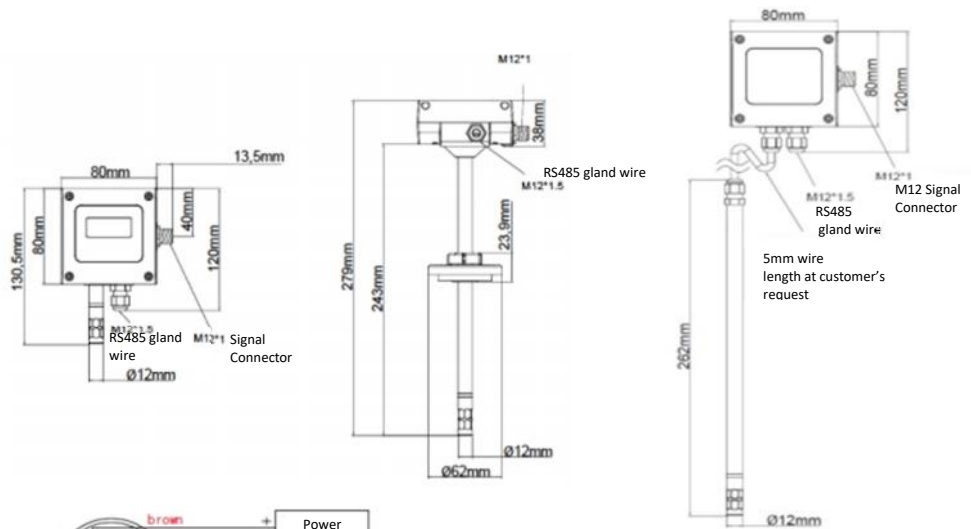
Temperature

Sensor	Pt1000 (Class A, DIN EN 60751)
Analog output	0-10V 4-20mA (two wire)
Accuracy at 20°C	±0.30°C

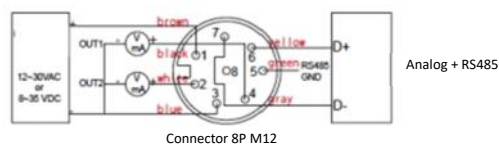
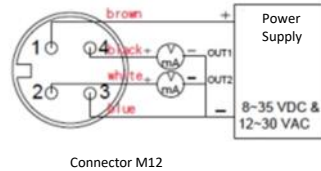
General Data

Power Supply	0...10V 24Vcc ±20% 4...20 mA 10V + RL x 20 mA < UV < 24Vcc
Consumption	Typical Cc: 5 mA Typical Ca: 15 mA
Electrical Connections	Terminal with clamping screws, 1.5 mm ² max.
Housing/Protection degree	PC fire-proof class / IP65
Cable gland	M16 x 1.5
Sensor Protection	Membrane filter, sintered steel, teflon
Working temperature sensor	-40...80°C
Electromagnetic Compatibility	EN1326-1, ICES-003 Class B, EN61326-2-3

Dimension



Electrical Connections



Orders

Model

Humitrans 200 HT

Output

0...10V (T)
4...20mA (C)

Installation

Wall mounting (1)
Duct-mounting
Remote

Sensor Protection

Membrane filter (M)
Sintered steel filter (S)
Teflon filter (T)

Sensor Length (A)

50 mm (5)
200 mm (10)