HumiTrans 100

The Humitrans 100 humidity and temperature transmitter for environmental measurements is the most reliable and accurate solution for measuring the temperature and relative humidity of the air.

The Humitrans 100 minimizes installation costs and provides power against pollution and condensation, ensuring perfect operation.
The LE 01 moisture and temperature sensor element offers an excellent stability and accuracy of 3% RH.

The Humitrans 100 series is available for wall and duct mounting; in both cases the probe is mounted to the transmitter and has two analogue temperature and temperature outputs configurable in voltage and current.

The equipment allows configuration of temperature scaling by user, as well as the calibration and adjustment of the sensor.

APPLICATIONS
Climate control and ventilation
Greenhouses and Farms
Warehouses
Climatic caves
Incubators

HIGHLIGHTS
Ease of assembly
Resistant to condensation
Mechanical protection of the sensor
Long stability sensor

Technical Data

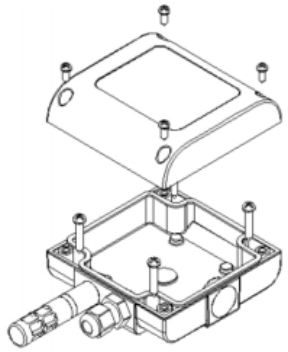
RH:		
Sensor	LE01	
Analog output 0…100% HR	0-10V	-1mA < IL < 1 mA
	4-20 mA (two wire)	RL < 500 Ohm
Recommended work range	10...95 % hr	
	Temperature 15…35ºC | Humedity: 20...80%	
Accuracy at 20ºC	±3% rh	
Temperature deviation	Tipical. ±0.02% rh/°C	
Temperture		
Sensor	Pt1000 (Class B, DIN EN 60751)	
Analog output $_1$	0-10V	-1 mA < IL < 1 mA
Accuracy at 20ºC	±0.3°C	

General Data

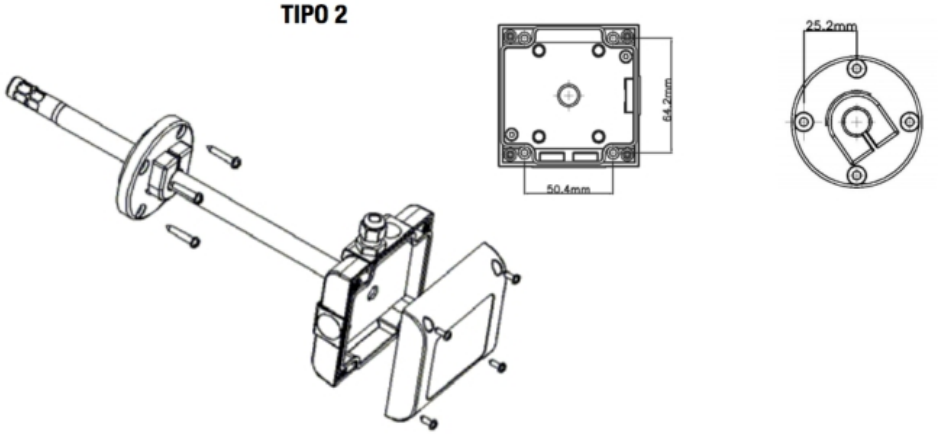
Power Supply	0…10V: 24Vcc ±20% 4…20 mA: 10V + RL x 20 mA < UV < 24Vcc
Consumption	Typical Cc: 5 mA | Typical Ca: 13 mAeff
Electrical Connections	Terminal with clamping screws, 1.5 mm^2 max.
Housing/Protection degree	PC fire-proof class / IP65
Cable gland	M16 x 1.5
Sensor Protection	Membrane filter
Electromagnetic compatibility	EN61326-1, EN61326-1
Range of Electrical Temperature	Working Temperature: -15…60ºC | Storage Temperature: -25…60ºC

Dimension

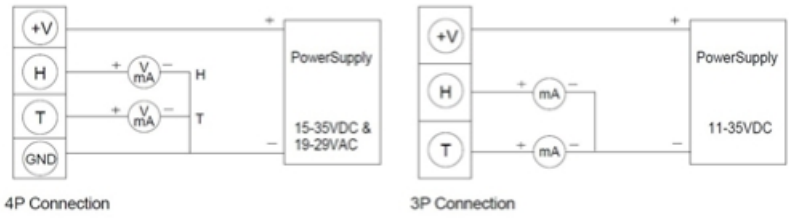
TIPO 1



TIPO 2



Electrical Connections



Orders

Model	Output	Installation	Output Signal Scaled
Humitrans 100 HT	0…10V (T) 4…20mA (C)	Indoor (1) Duct-mounting (2)	-30…40ºC (A) -40…60ºC (B) -10…50ºC (C) 0…50ºC (D)