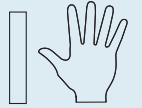




## SA20

ELECTRONIC HUMIDITY TRANSMITTER



**It's in the air ...**  
**... quality does indeed**  
**make a difference!**

### Description

SA20 is a modern intelligent temperature and moisture transmitter based on CMOSens technology. It combines, among other things, sensors, AD converting and calibrating factors in one and same process.

SA20 never needs to be calibrated, due to precise 10 bit digital calibrating from factory.

SA20 is made with 0-10V output signals for moist and temperature, both signals with 10 bit resolution.

SA20 is the number one choice for use with the DA20 electronic moisture controller and the DCC Dehumidifier Control Centre.



*References*  
Waterworks  
Dry air storage  
Crawl spaces  
etc.

# SA20

ELECTRONIC HUMIDITY TRANSMITTER

## Specifications

Supply voltage	12 to 24 V =/~
Operating temperature range	-40°C to +60°C
Power Consumption	< 10mA
Construction	Black Aluminium, Polyamide tip and metal filter
Connection	M12 & 4 pole connector

## Temperature

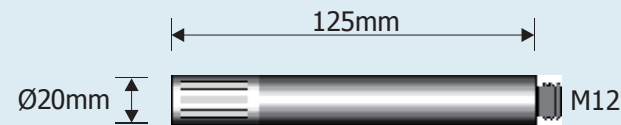
Measurement range	-40°C to +60°C
Resolution	0.1 °C
Accuracy	+/- 0.5°C 0 to 40°C +/- 1.5°C -40 to +60°C
Repeatability	0.1 °C
Response time	10 Sec
Output -40°C to +60°C	0-10V

## Humidity

Range	0 to 100% RH
Resolution	0.1% RH
Accuracy	+/- 2% in 0 to 90% RH +/- 4% in 90 to 100%
Repeatability	+/- 0.1% RH
Response time	10 Sec
Non linearity	<1%
Hysteresis	+/-1%
Long term stability	< 1% RH/year
Output 0 to 100%RH	0-10V

## Additional options

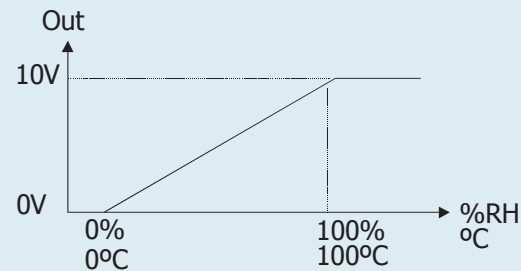
Outputs (Humidity and Temp) 10 bit digital or 4-20mA  
Connector cable Various lengths.



4 Temp Out 3 Hum Out



1 Supply Gnd 2 Supply Vcc



Distributor