

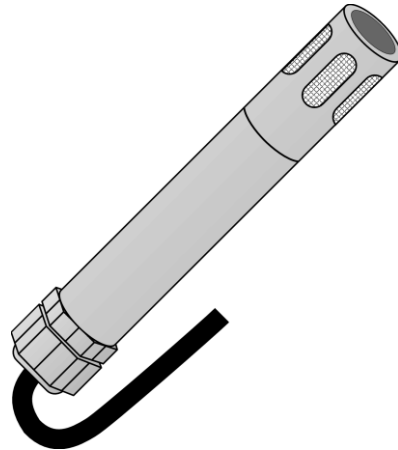
## 4-20 mA RELATIVE HUMIDITY SENSOR

### DESCRIPTION:

Environment relative humidity sensor of high sensitivity and precision. it can be used for a wide range of premises and different types of environment.

It is suitable for environments with chemical steams such as isopropylene, benzene, toluene, oils, common cleaning products, ammonia from farms, etc.

It is advisable to use the ventilated relative humidity sensor for environments with high humidity and great possibility of condensation in the sensor.



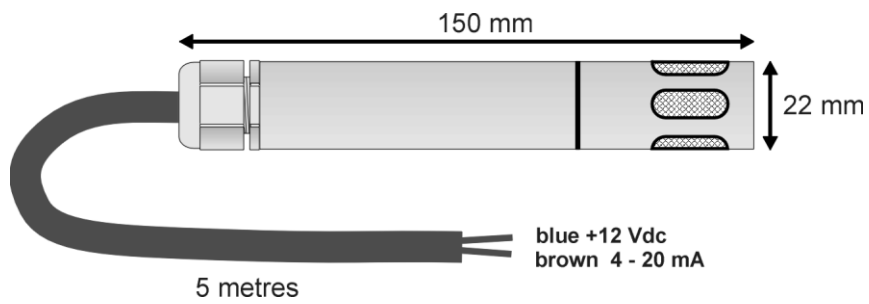
### TECHNICAL CHARACTERISTICS:

<b>Feeding</b>	Minimum	+10,5 Vdc (on 200 ohmios)
	Typical	+12 Vdc
	Maximum	+15 Vdc
<b>Outlet signal</b>	4–20 mA	
<b>Reading rank</b>	0–100 % HR	
<b>Precision</b>	± 2 %, 0–100 % HR without condensation, at 25 °C	
<b>Stability</b>	± 1 % at 50 % HR in 5 years	
<b>Connections</b>	Blue	+12 Vdc
	Brown	Outlet 4–20 mA
<b>Maximum distance</b>	800 metres	
<b>Answering time</b>	15 seconds	
<b>Protections</b>	Reverse current:	Yes
	Overtension:	Yes
<b>Work temperature</b>	From -10 °C to 60 °C	
<b>Work humidity</b>	From 0 % to 100 %	

### INSTALLATION AND MAINTENANCE:

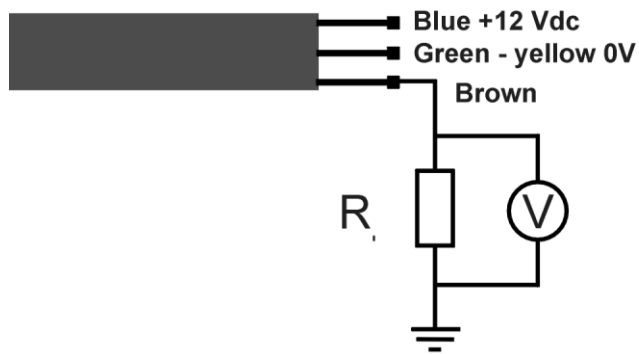
- The sensor has to be placed in a horizontal position and held by the clamp which is supplied with it.
- Do not place the sensor cable next to power cables.
- Do not touch the internal sensors with the fingers.
- Keep the sensor ventilation grilles always clean.
- In environments with high humidity, there may be condensations in the sensor. To avoid so, mix the air well to minimise local temperature fluctuations.
- If there are condensations in the sensors, the sensor will indicate the 100% of humidity until it dries.

**DIMENSIONS:**



**CONEXION:**

**Transmitter cable**



$R_1 = \text{maximum } 200 \Omega$

**Sistemes Electrònics Progrés, S.A.**

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