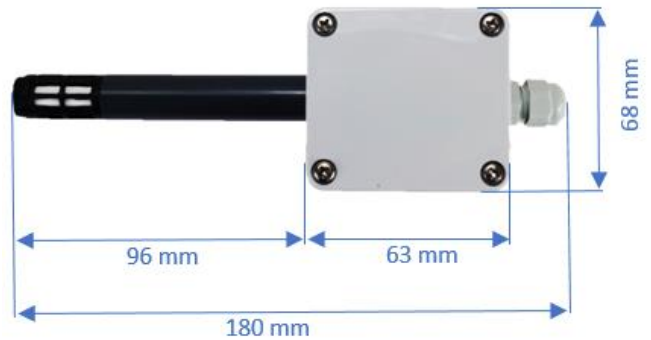# DATASHEET

HSR16
Humidity and temperature sensor

C-mac

CE

The C-Mac® HSR16 Series is a humidity sensor or a combined temperature and humidity sensor. HSR16 consists of 1 or 2 independent looped circuits for measuring relative humidity and temperature.
The HSR16 comes with a 96 mm immersion tube as standard, but can by request be delivered in 75 mm and 250 mm lengths.

- 2 or 4 wire measurement of relative humidity and temperature
- External sensor
- 2 independent looped powered circuits
- 4-20 mA current loop that is proportional to humidity and temperature

Ordering guide:	
Type	**Humidity and temperature**
HSR16	
Type:	**Only with humidity**
HSR16-RH	

Technical Data:

Supply:	Through 4-20 mA current loop
Relative supply voltage:	7-30 VDC
Voltage drop:	< 7 V
Measuring range:	
Humidity:	4-20 mA =0-99% RH
Temperature:	4-20 mA = 0-50 °C
Operating temperatur:	-20 °C til +70 °C
Electrical connection:	Screw terminal 2 or 4 wires
Cable gland:	PG7
Application:	Agriculture, industry
Limits:	Can't be used in condensing areas
Accuracy:	
Humidity:	± 2% (10-90% RH)
Temperature:	± 1 °C
Linearity:	± 2%
Material:	Polycarbonate, grey
Weight:	90-120 g
Protection Degree:	IP44
Standards:	EN 61000-6-2 EN 61000-6-3
Safety:	EN 60730

Connections:

Comadan
WE ARE IN CONTROL