

2-wire monitoring of relative humidity and temperature

In- or external sensors

2 separate loop-powered circuits

4-20 mA current consumption proportional to humidity and temperature

Made in accordance with the CE and EMC regulations



The C-mac[®] combined humidity and temperature sensor HS16 consists of 2 independent loop-powered circuits for monitoring of relative humidity and temperature, respectively. HS16 is available in 2 versions either with internal sensors or with an immersion tube, which is useful, if f.inst. you want to monitor the humidity and temperature in ventilation channels.

Technical data:

Supply:	4-20 mA current loop
Voltage drop:	< 7 V
Supply voltage:	7-30 VDC (available in loop)
Metering ranges:	
Humidity	4-20 mA = 0-100% RH
Temperature:	4-20 mA = 0-50°C
Operating temp.:	-20°C to +50°C
Accuracy	
Humidity:	(10 - 90% RH) +/- 2%
Temperature:	+/- 1.5°C
Linearity:	+/- 0,5%

EMC og safety regulations.

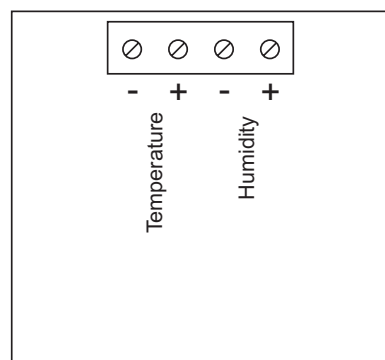
Emmision:	EN 50 081 - 1
Immunity:	EN 50 082 - 2
Safety:	EN 60 730

Approvals: The units are produced in accordance with the CE og low voltage regulations.



HSR 16 sensor

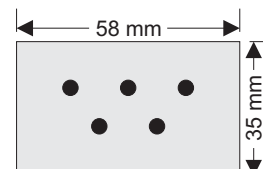
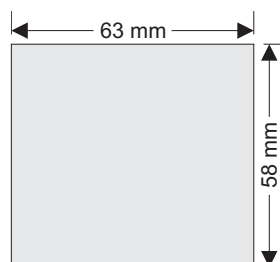
Connections:



Ordering guide:

With internal sensors
With immersion tube 96 mm
With immersion tube 250 mm

Type nr.
HS16
HSR16
HSR16-250



Materials and weight:

Housing:	Polycarbonate, grey
Terminals:	Nickel-plated brass
Weight:	200 g