

Temperature/humidity - transmitters

Plug-in probes that can be exchanged in seconds are the characteristic feature of this range of measurement transducers. There is no loss of accuracy when exchanging the probe because the calibration data is stored in the probe itself.

For high temperature applications (up to +80°C) or where space is restricted, the probes can be positioned using a plug-in connection cable (2, 5 or 10 m), without the need for the instrument to be re-calibrated.

The common 0 - 1 / 5 / 10V voltage outputs or 4 - 20mA (2 wire) current outputs are available as output signals and the temperature scale can be easily adapted to the application in the factory.

In addition to the usual wall-mounting, the instrument is also suitable for rail-mounting in accordance with DIN EN 50022.

An optional display provides indication of the current temperature and relative humidity.

Technical data	Ref.No.
Transmitter without display	5618.00
Transmitter with display	5618.10
Construction	Plastic housing (PC), front plate: RAL 9003, Lower part: RAL 7035
Dimensions	90x135x50mm
Display	5618.00: no 5618.10: yes
Mounting	Wall (exchangeable sensor)
Operating temperature	-40...60°C
Output signal	4...20mA = 0...100% RH = -40...60°C
Power supply	10...35VDC
Protection type	IP65
Storage temperature	-40...60°C
Relative humidity	
Measuring range	0 ... 100 % RH
Accuracy	±2% (0...90%), ±3% (90...100%) RH (at 20°C)
Temperature	
Measuring range	-40 ... 60 °C
Accuracy	±0.2°C (at 20°C)



Exchangeable sensors
For wall-mounting or duct installation
With and without display

Photo shows unit without sensor