

# Temperature/humidity - transmitter

Type 5615.xx measurement transmitters were developed for the precise measurement of humidity and temperature.

Typical applications are HVAC, building automation, swimming pools, greenhouses, stables and incubators.

The measurement transmitters are available for wall or duct mounting with current or voltage output.

A practical snap-in mounting flange combined with a plug-in connector guarantee that the measurement transmitter can be exchanged quickly and without complication. The product is suitable for outdoor installation when used in combination with radiation protection.

Condensation-resistant  
Long-term stability  
Exchangeable

Technical data	Ref.No.
<b>Transmitter 0...10V</b>	<b>5615.00</b>
<b>Measurement transducer 0...10V with display</b>	<b>5615.10</b>
<b>Transmitter 4...20mA</b>	<b>5615.20</b>
<b>Measurement transducer 4...20mA without display</b>	<b>5615.30</b>
Construction	Plastic housing (ABS)
Dimensions	80x80x35mm
Mounting	<b>5615.20, 5615.00:</b> Wall
	<b>5615.30, 5615.10:</b> Duct
Operating temperature electronics	-20...60°C
Operating temperature sensor	-20...80°C
Output signal	<b>5615.00, 5615.10:</b> 0...10V = 0...100% RH = -20...80°C
	<b>5615.20, 5615.30:</b> 4...20mA = 0...100% RH = -20...80°C
Power supply 0...10V	<b>5615.00, 5615.10:</b> 15...35VDC / 15...29VAC
Power supply 4...20mA (two wire)	<b>5615.20, 5615.30:</b> 20...35VDC (RL<500 Ohm)/
	11...35VDC (RL<500Ohm)
Protection type	IP65
Sensor length	<b>5615.20, 5615.00:</b> 50mm
	<b>5615.30, 5615.10:</b> 200mm
Storage temperature	-25...60°C
<b>Relative humidity</b>	
Principle	Capacitive
Measuring range	0 ... 100 % RH
Accuracy	±2% (0...90%), ±3% (90...100%) RH Hysteresis
	10%-80%-10% <2% RH
<b>Temperature</b>	
Principle	Pt1000 A, DIN EN 60751
Measuring range	-20 ... 80 °C
Accuracy	±0.5°



For wall-mounting or duct installation  
Very good price/performance ratio