

## Technical Information

Supply voltage (Class III)	3.8Vdc - 5.5Vdc
Current consumption	< 1.5mA
Voltage digital interface	Max. 3.5V
Housing	Polycarbonate - IP65
Electromagnetic compatibility	<ul style="list-style-type: none"> <li>EN 61326-1</li> <li>EN 61326-2-3</li> </ul>
Temperature range	<ul style="list-style-type: none"> <li>Operative: -40°C ÷ +80°C</li> <li>Warehousing: -40°C ÷ +60°C</li> </ul>
Max cable lenght	30m



## Temperature

Transducer type	PT1000 (tolerance class A, DIN EN 60751)
Digital output (2 wires)	Output value: -40°C ÷ +80°C
Measure accuracy	± 0.1°C @ 20°C

## Relative humidity

Transducer type	E+E HC105
Digital output (2 wires E2 interface)	Output value: 0.00 ÷ 100% RH
Working range	0.00 ÷ 100% RH
Measure accuracy (including hysteresis and nonlinearity)	<ul style="list-style-type: none"> <li>±2% RH (0÷90% RH)</li> <li>±3% RH (90÷100% RH)</li> </ul> Traceable to international standards, administered by NIST, PTB, BEV
Temperature dependance	< (0.025 + 0.0003 x RH) [ %RH / °C ]

## Interchangeable humidity / temperature sensor with digital output provided with radiation shield.

The **EE07 Kit** is ideal for demanding climate control and OEM applications.

The wide T working range, the T compensation and the choice of filter caps make **EE07 Kit** appropriate for both indoor and outdoor use.

Due to the excellent RH and T accuracy, the sensor is employed with provided with radiation shield even in meteorology.

The E+E proprietary coating protects the humidity sensor against corrosion and dirt, which leads to best long term stability even in harsh environment.

The measured values are available on the serial E2 interface.

The M12 connector allows for EE07 replacement within seconds.

The features shown may be subject to change without notice.

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