



## OPP-SOR® humidity-temperature sensor HT-TGÜ (absolute humidity)



- **Captive lid with 8-way positioning**
- **IP65 housing including seal ring**
- Fast wiring due to **screw-on lid and spring clips – no tools needed**
- Optimal for integration in **TGÜ-KM3.6**

### Technical Data

<b>Power supply:</b>	15 – 35 V DC or 15 – 30 V AC
<b>Power consumption:</b>	< 85 mA
<b>Tolerance:</b>	
<b>Humidity:</b>	±3 % RH (at 20 – 80 % RH/25 °C)
<b>Temperature:</b>	±0.5 K (at 25 °C)
<b>Long-term stability:</b>	
<b>Humidity:</b>	±0.5 % RH/year
<b>Temperature:</b>	±0.04 K/year
<b>Ambient temperature:</b>	-20 – 70 °C
<b>Insulation resistance:</b>	≥ 100 MΩ, 20 °C, 500 VDC
<b>Housing:</b>	IP65 including seal ring Plastic, gray / light-gray plastic
<b>Protection type (sensor):</b>	IP20
<b>Strain relief:</b>	M16
<b>Cable connection:</b>	spring terminals 0.2 – 1.5 mm <sup>2</sup>

### Function

The HT-TGÜ transmitter was specifically designed for the humidity control function of the TGÜ-KM3.6 system. It makes use of 2 humidity sensors, one mounted in the underground garage and the other on an outside wall.

### Installation

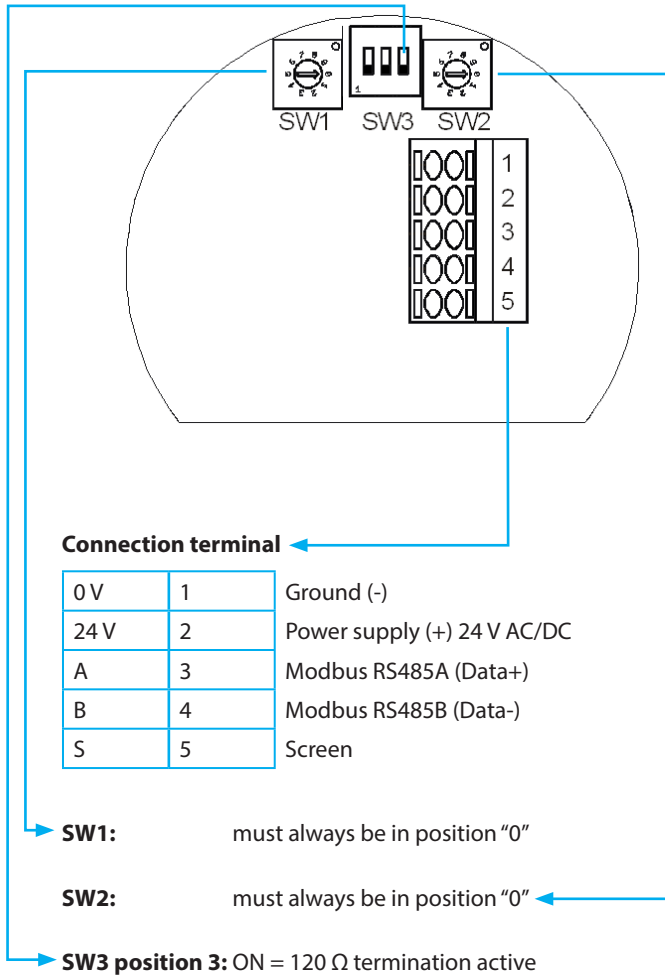
All work (such as installation, electrical connection, startup, operation, and maintenance) must only be performed by sufficiently qualified tradesmen. The respectively applicable local rules and regulations (e.g. national building codes, electrical/VDE regulations, etc.) must be observed. Installers and operating entities are required to familiarize themselves before startup. Read the product description before operating the equipment. Verify that the product can be used for the relevant application without restrictions. We are not liable for printing errors and changes after printing. Appropriate use implies compliance with operating and installation instructions. We are not liable for losses due to inappropriate use. Unauthorized or inappropriate manipulations or modifications of the device render the operating permit, the product warranty and warranty claims null and void.

The transmitter is to be mounted on a wall using screws of max. 4 mm dia. for the 2 mounting eyelets. Care must be taken not to expose the outside sensor to sun or rain, as this would distort measurements.

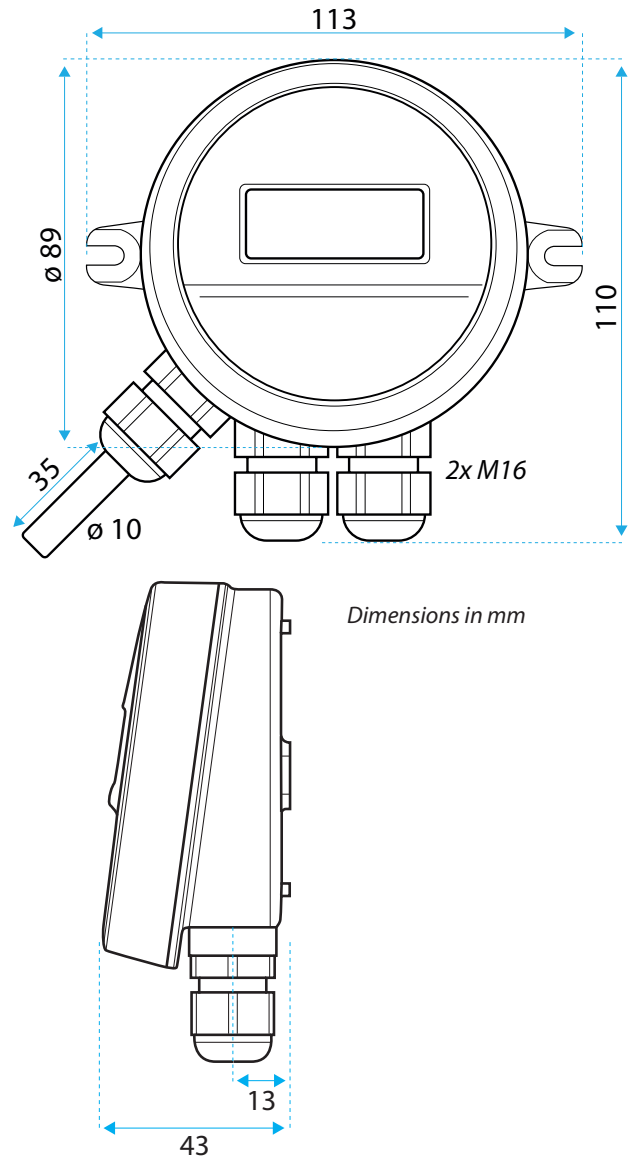
### Maintenance

Thanks to its high quality the temperature/humidity sensor requires no regular maintenance. Note: humidity should normally be within the range of 5 – 95 % RH (non-condensing), since condensation and excessively dry air can both lead to measurement drift or other malfunction.

Electrical connection



Dimensioned drawing





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