

RHT1



Humidity and temperature module

- Accurate and reliable humidity and temperature detection
- Analog or digital interface
- Fully customizable

RHT1

Humidity and temperature module

The RHT1 is an accurate and reliable temperature and humidity module. Thanks to its adaptable design, the RHT1 can be tailored to a multitude of applications.

Equipped with a state of the art temperature and relative humidity sensor, the RHT1 excels in accurate dew point detection at any given location. Ideal for consumer and industrial use, it offers plug-and-play integration for OEM applications. Not only the form factor and connector type, but also cable length and output signals can be adjusted on request.

The RHT1 is the ideal solution for a range of scenarios, including:

- Regulation of door heating in refrigerators to optimize energy consumption.
- Fine-tuning humidity levels in air conditioners to ensure maximum efficiency and prevent mold formation
- Ensuring optimal toner adhesion and preventing paper curling in printers and copiers

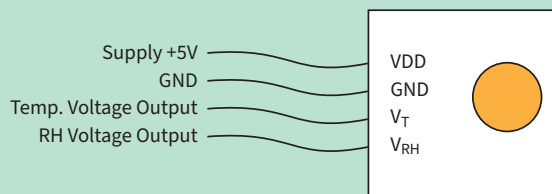
Features

- Calibrated humidity and temperature output (analog or digital)
- 100 % end of line testing
- Unique serial number for every module
- PTFE membrane
- Fully customizable in WxLxH, cable length (e) and connector type, as well as output signals

Benefits

- Easy, plug-and-play implementation
- Highest quality ensured
- Easy traceability and quality control
- Water immersion resistant, dust / grease protection
- Adjustable for every application

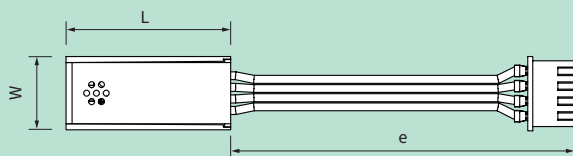
Pinout



Properties

- Humidity accuracy $\pm 3\%RH$
- Temperature accuracy $\pm 0.3\text{ }^\circ\text{C}$
- Humidity range 0..100 %RH
- Temperature range -40..85 $^\circ\text{C}$
- Supply voltage 5 V

Dimensions



Standard model dimensions:
W12 x L27 x H5.1 mm3, customizable

Typical Applications

- Refrigerator door heater control
- Air conditioner humidity control and mold prevention
- Optimized printer performance