



Humidity Measurement: General overview

Available Features:

- **Measurable Humidity** between 0 to 100%RH
- **Harsh Environment** compatibility by filter option
- **Performance:** accuracy up to $\pm 2\%$ RH available
- **Variety of different packaging styles available**
- **Technology:** The sensors are based on a humidity sensitive capacitor.

- **Combination Sensors available** with
 - Humidity operating range: 0 to 100%RH
 - Temperature operating range: -40 to +125°C
 - Pressure operating range: 10 to 2000mBar

Product Types:

Humidity sensor components:



- Humidity and Temperature sensing modules
- filter option available
- Compact DFN package size (mm) 2.5x2.5x0.9
- Power supplies between 1.5 and 5.5V
- Wide operating ranges: - 0 to 100%RH
- 40 to 125°C
- High accuracy: up to $\pm 2\%$ RH
up to $\pm 0.2^\circ\text{C}$

Applications: HVACR Systems, Medical CPAP, Refrigerators, Security cameras
Washer/Dryer

Humidity and temperature (NTC) probes



	HM1500LF	HM1520LF	HTM2500LF	
Measuring	Humidity ✓	✓	✓	
	Temperature		✓	
Operating conditions	Humidity 0 to 100%RH	Temperature -40 to +60°C		
Calibration	Up to $\pm 3\%$ RH	Up to $\pm 3\%$ RH	Up to $\pm 3\%$ RH	
Unique Features	High reliability and long term stability	designed for low Humidity applications	Hermetic Housing	

Applications: Medical, cabinets, process control, industrial, Hygrostat, data loggers

Humidity and temperature (NTC) mini Modules



Applications: Humidity and temperature Plug and Play transducer for OEM demanding applications in HVACR, home appliance, printer and medical

Humidity/Temperature/Pressure Moduls:



Applications: Smart phones and Tablet PCs, HVAC applications, Weather stations, Printers, Home appliance and humidifiers, Low power engine and fuel cell monitoring