



Features

- high accuracy
- relative humidity and temperature output
- long term stability
- output options: analog, RS485, RS232 and SDI-12
- low power consumption
- compact construction
- standard M12 connector connection

Relative Humidity Probe HumiAir10

For measuring relative humidity in the air HumiAir is the right choice. This intelligent electronic probe is easy to use, accurate to measure and intended in for all weather conditions

HumiAir probe is based on capacitive polymer film sensor with proper temperature compensation and microprocessor control. The output is analogue voltage directly proportional to relative humidity and temperature or serial communication (RS232, RS485, SDI-12)..

Full comfortable calibration over serial interface is available. All calibration constants are stored in nonvolatile memory.

Probe is assembled with standard M12 connector for fast and easy replacement in the field.

Technical Specifications

Measurement range	0...100%RH -40...+60°C
Accuracy	+/- 3% +/- 0.3°C
Analog Output	0...1V for 0...100%RH 0...1V for -40...+60°C
Output options:	Analog / RS485 SDI-12 / RS232
Communication speed	300...115200bps
Calibration with polynomial coefficients (3rd order)	
Operating temperature	-40...+60°C
Power supply	4...24Vdc
Power consumption	2mA typ.
Dimensions	22mm x 130mm
Connector	M12 male, 5 pin