PRODUCT-VIEW

LAMBRECHT meteo

AN aem BRAND

TH[pro] TEMPERATURE-HUMIDITY SENSOR

M12 PLUG CONNECTOR

IP 65 PROTECTION RATING

DIGITAL OUTPUT

Al METAL MATERIAL



For high-quality use

The sensor TH[pro] is a combined measuring instrument for measuring relative humidity and air temperature. The sensor is characterised by by high accuracy and energy-saving electronics. Also with Modbus or customised protocols realisable!

- Combined measuring device for demanding applications
- Capacitive humidity measuring element
- Low maintenance and service friendly
- Signal output: SDI-12; NMEA; Modbus
- For use in all climatic zones
- Suitable sensor protection housing type 8141.6 (recommended option)

APPLICATIONS

- Hydrology
- Building automation
- Power plants
- Industry

Professional Line	TH[pro]
Id-No.	00.08095.100031 + 97.08095.000010 Pre-configuration SDI-12
Meas. range air temperature	-40...+70 °C
Meas. range rel. humidity	0...100 % r.h.
Accuracy air temperature	± 0.1 K (0...60 °C) • ± 0.2 K (-40...0 °C)
Accuracy rel. humidity	typ. ± 1.5 % (0...80 %) r. h. • ± 2 % (> 80 %) r. h. • Reaction time rel. humidity (at v = 1.5 m/s): 30 s
Resolution air temperature	0.1 °C
Resolution rel. humidity	0.1 % r.F.
Protocols	SDI-12
Interface	SDI-12 *)
Supply voltage	4.8...33 V DC
Power consumption	4 mA at 24 VDC • 6 mA at 12 V DC • 11 mA at 4.8 VDC • without terminating resistor
Dimensions	H 140 mm x Ø 20 mm
Housing	Aluminium especially-coated • M12 plug connector (4-pole)
Protection class	IP 65 (housing)
Weight	approx. 80 g
Standards	DIN EN 60945 DIN EN 61000-4-2, 3, 4, 6, 11
Options (order separately)	97.08095.000010 Pre-configuration of the THP[pro] to SDI-12 32.05005.001500 Sensor cable 5 pole M12, 15 m