



Meteorologie

Luftfeuchte/-temperatur

RHT3-nl - Art. 04182



Ω 1/3 DIN



- Supply voltage: 10...32Vdc
- Housing protection: IP65
- Interchangeable sensor module Hygrosmart
- Linearised humidity measurement
- Capacitive thin film humidity sensor
- Sensor response time: 10 seconds
- CE conformity
- Drift < 2% RH/year

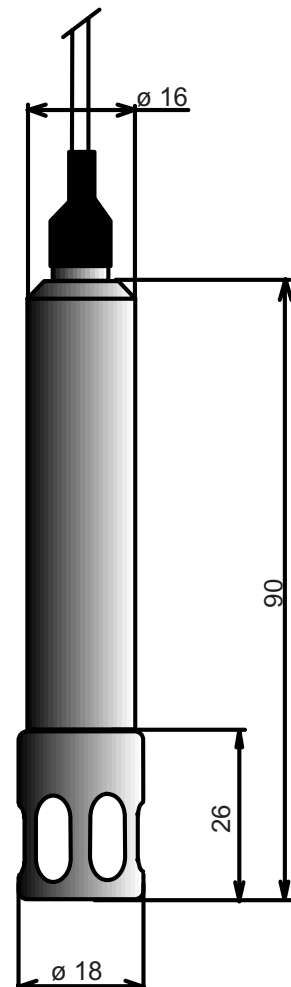


HYGROCOR relative humidity probes are equipped with the Hygrosmart relative humidity sensor/converter. This interchangeable module has miniaturized electronics and does not require recalibration.

TECHNICAL DATA

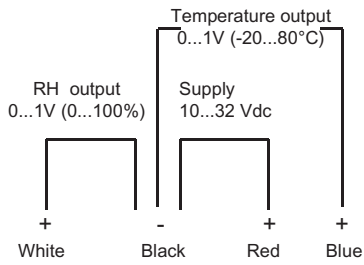
	Humidity	Temperature
Connections	3 wires	3 wires
Accuracy @ 23 °C	Hysteresis / non-linearity included ± 2 %RH (5 ... 95 %RH) ± 2,5 %RH (< 5 %RH, > 95 %RH)	Pt100 direct: ± 0,2 °C Output voltage: ± 0,5 °C
Measuring range	0 ... 100 %RH	-20 ... +80 °C
Sensor response time	90% of scale for a step change from 11% to 75 %RH) < 10 sec	/
Output signal	0 ... 1V	0 ... 1V Pt100 Ω 1/3 DIN (3 wires)
Temperature range	/	-20...+80 °C
Supply voltage	10...32 Vdc	
Impedence: R	> 10KΩ	Output voltage: > 10KΩ
Consumption	≤ 2mA max	
Operating range		
Measuring head	0 ... 100 %RH	-20 ... +80 °C
Housing	0 ... 100 %RH	-20 ... +80 °C
Storage	0 ... 100 %RH	-40 ... +85 °C
Housing		
Dimension	L=90mm, ø 18mm	
Material	INOX 316L	
Weight	150 g	
Protection degree	IP65	
Electrical connections	4 or 6wires output cable , lenght 2m	

DIMENSIONS

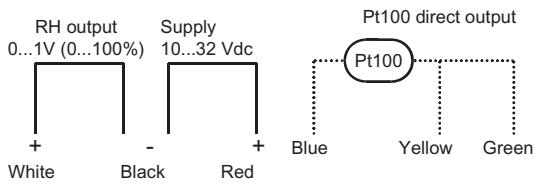


ELECTRICAL CONNECTIONS

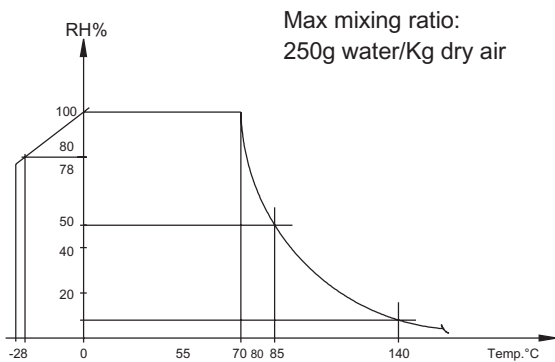
4 wires cable: - Humidity/Temperature output: 0...1V
 - Supply: 10...32Vdc



6 wires cable: - Humidity output: 0...1V
 - Temperature output: Pt100 3 wires
 - Supply: 10...32Vdc



MEASURING RANGE



INTERCHANGEABLE MODULE

Module interchangeable HYGROSMART :

S7000.0 without Pt 100:	code	S7000.0
S7000.1 with Pt 100:	code	S7000.1

ACCESSORIES

Mounting clip for HYGROCOR: **Cod. 2510367**

Ex: HYGROCOR - B-1-2-K1-A

HYGROCOR relative humidity transmitter in stainless steel housing, output signal humidity 0...1VDC, temperature 0...1VDC (-20...+80 °C), 2 m connecting cable and mesh filter stainless steel, Certificate of conformity included.