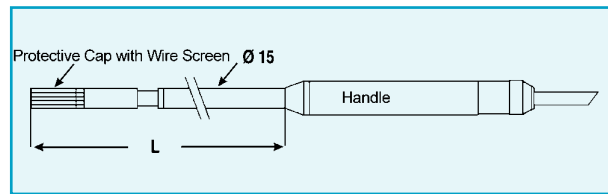


AIR HUMIDITY

Capacitive Humidity Sensor Type FHA636HRx



- ▶ Handy sensor with handle.
- ▶ Suitable for control measurements at high ambient temperatures.

Accessories:

Extension cable, 2m long Order No. ZA9060VK2
 Extension cable, 4m long Order No. ZA9060VK4

Types:

Length L = 250mm,
 Operative range -50 ... 150°C **Order No. FHA636HR1**
 Length L = 400mm
 Operative range -50 ... 200°C **Order No. FHA636HR2**

Technical Data:

Humidity Measuring Circuit

Measuring range:	0 ... 100% r.H.
Sensor:	capacitive
Accuracy:	±1.5% r.H. at nomin. temperature ±2.5% r.H. < 10% and > 90%
Reproducibility:	0.5% r.H.
Nominal temperature:	23°C ±2°C
Response time T_{63} :	15s without filter at 1m/s air speed

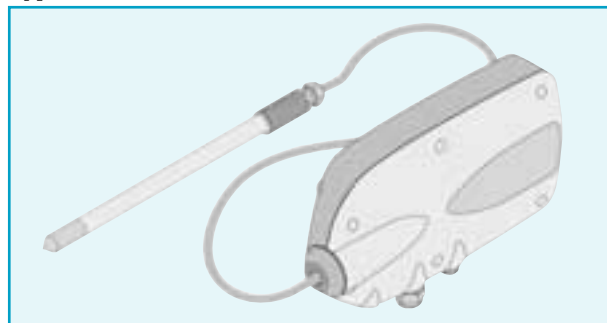
Temperature Measuring Circuit

Sensor:	Pt100, 1/3 Class B
Accuracy:	±0.3K at nominal temperature
Reproducibility:	0.1K

Mechanical Data

Sensor tube:	heat resistant plastic Ø 15mm
Protective cap:	wire screen
Sensor handle:	180mm long, operational from -20 to 60°C
Cable:	2m long, ALMEMO® connector

High-temperature moisture transmitter Type MT8636HR5



- ▶ High-temperature cable sensor with transmitter suitable for fixed installation
- ▶ Sensor incl. sensor cable Operational in range -40 to 180°C
- ▶ Analog output range, scalable, -40 to 180 °C / 0 to 100% r.H.
- ▶ Analog output type, 0 to 10 V, or 4 to 20 mA 3 conductors, selectable via jumpers

Accessories:

Protective caps see page 09.05
 Stainless steel flange for inst. up to 2 bar Order No. ZB8636HR5F

Optionen:

High-temperature sensor cable, 5 m Order No. OT8636HR5L05
 High-temperature sensor cable, 10 m Order No. OT8636HR5L10

Types:

High-temperature moisture transmitter
 with 2 m sensor cable **Order No. MT8636HR5**
 ALMEMO® conn. cable, 2 m, PVC incl. ALMEMO® conn. and desktop
 mains supply, 230VAC/24VDC **Order No. ZA8636AKHR5**

Technical Data:

Humidity measuring circuit

Measuring range:	0 to 100 % r.H.
Sensor:	capacitive
Accuracy:	±2 % r.H. in range 0 to 90 % r.H. ±3 % r.H. in range 0 to 100 % r.H. each at nominal temperature
Nominal temperature:	23 °C ±3 K
Response time:	< 10 s without filter

Temperature measuring circuit

Sensor:	Pt1000
Accuracy:	DIN EN 60751, class A

Electrical data

Supply voltage	24 V AC/DC ±15 %,
Current consumption	type 60 mA (10 V output) type 100 mA (mA output)

Mechanical data

Sensor	V4A steel, d= 12mm, L= 238mm
Protective cap	sintered stainless steel filter
Sensor cable	2 m, optional: 5 m / 10 m
Electronics housing	ABS, 220 x 110 x 54 mm, operational in range: -30 bis +60°C