

- 0...100 %RH
- 2-wire current output
- Fast response and recovery
- Minimized mounting capacitance influence
- No post-factory calibration required
- IP68 plastic case
- Optional stainless steel sintered filter

DESCRIPTION

BASI's BRHB probe is designed especially for low-cost HVAC applications. Using solid-state sensor with integrated digital signal conditioner, the probe measures relative humidity of air and non-aggressive gases at atmospheric pressure, and transforms it into standard 4...20 mA 2-wire signal. Main features of the BRHB transducer are the very fast response time and the short recovery time, which allows better control system parameters, as well as the reduced accuracy influence of the mounting capacitances. The probe has a cable outlet and can be equipped with a stainless steel sintered filter for sensor protection. Thanks to its simple and robust design and low price, the BRHB probe can be widely used in HVAC storage control systems as well as for some food industry applications.

**TECHNICAL SPECIFICATIONS**

Casing material	: PVC
Humidity range	: 0-100% Solid-state sensor
Output	: 4-20mA in 2-wire
Output load	: 750 ohm 24V/20mA
Sensor protection	: plastic cap with stainless mesh
Sintered filter	: stainless steel, 75 um
Mounting	: Free
Wiring	: 1-10m PVC cable
Dimensions	: case : \varnothing 18x150 mm;
Weight	: max. 100 g w/o cable
Protection class	: IP68 (except sensor)

INSTALLATION

Supply	: 8-36VDC (9 - 40 VDC)
Ambient temp	: -10 to 70°C
Mounting	: Field mount to IP68

PERFORMANCE

Accuracy	: \pm 1%
Response time	: 2 sec
EMC	: EN 50081-1, EN 50082-2 73/23/EEC & 89/336/EEC

ORDER INFORMATION

BRHB	
CABLE	SINTERED FILTER
1-1010PV	X None
	S Filter

