

EASYBUS-SENSOR MODULES FOR HUMIDITY/TEMPERATURE



E.A.S.Y.BUS<sup>®</sup> MODUL



EBHT - 1R  
incl. option VO



EBHT-1K



EBHT-2K



EBHT-SHUT



EBHT-KABEL

**EBHT-1R**

Art. no. 602905

EASYBus-sensor modules for humidity/temperature (sensor tube at the side, FL = 50 mm)

**EBHT-1K**

Art. no. 602904

EASYBus-sensor modules for humidity/temperature (sensor tube at the side, FL = 220 mm)

**EBHT-2K**

Art. no. 602906

EASYBus-sensor modules for humidity/temperature (sensor tube pointing downwards, FL = 220 mm)

**EBHT-SHUT**

Art. no. 605863

EASYBus-sensor modules for humidity/temperature (incl. heat absorption hat) type incl. option HO and LACK

**EBHT-KABEL**

Art. no. 605029

EASYBus-sensor modules for humidity/temperature (separated sensor tube) type incl. option HO

**Specifications:**

**Measuring ranges**

**Humidity:** 0.0 ... 100.0 % RH

**recommended range (standard):** 30 ... 80 % RH

**recommended range (option -HO):** 5 ... 95 % RH

**Temperature:** -40.0 ... +120.0 °C or -40.0 ... +248.0 °F

**Display options:** with option UNI an alternative display unit can be shown instead of the humidity measuring value. The unit selection will be done via the interface or at the keyboard (by option VO).

**Wet bulb temperature:** -27.0 ... +60.0 °C

**Dewpoint temperature:** -40.0 ... +60.0 °C

**Enthalpy:** -25.0 ... +999.9 kJ/kg

**Atmospheric humidity:** 0.0 ... 640.0 g/kg

**Absolute humidity:** 0.0 ... 200.0 g/m<sup>3</sup>

**Resolution:** 0.1 % RH or 0.1 °C / 0.1 °F

**Accuracy: (at nominal temperature = 25 °C)**

**Humidity:** ±2.5 % RH (at recommended range)

**Temperature:** ±0.4 % of measuring value ±0.2 °C

**Electric connection:** elbow-type plug EN 175301-803/A (IP65), output 2-wire connection, max. 1.5 mm<sup>2</sup> each, no polarity

**Ambient temperature**

**Electronic, housing:** -25 ... +50 °C

**Sensor (sensor tube):** -40 ... +100 °C (for short time up to 120 °C)

**Sensor tube:** tube-Ø 14 mm, screwable, protection cap with stainless steel gauze (105 µm). Total length approx 50 or 220 mm (standard)

**Version KABEL:** „separated sensor tube“, sensor head (Ø 14 x 68 mm) connected to housing via approx. 1 m teflon cable.

**Version SHUT:** Radiation cap / weather protection

**Applications:** The radiation cap is designed for especially precise exterior dimensions. Powerful solar radiation and rain do not falsify measurements.

**Design:** Plastic radiation cap, Ø 110 mm, height approx. 140 mm. The design also includes a stainless steel wall mount with 3 fastening holes for screws with a maximum shaft diameter of 5 mm. Maximum projection 160 mm.

**Optional extended length 300, 400 or 500 mm available. (please specify upon order!)**

**Option Display:** 10 mm high LCD-display  
The option VO additionally has 3 pushbuttons for calling min./max. values and adjustment of measuring parameters (offset and scale correction)

**For outdoor use:** Option „encapsulated PC board“ required. We also recommend using a heat absorption hat (weather protection shield) to avoid falsification of measuring data due to sun/rain etc.

**Housing:** Material: ABS, Protection rating: IP65

**Dimensions:** 82 x 80 x 55 (L x B x H)

**Scope of supply:** Device, manual

**Other types upon request!**

**Accessories and spare parts:**

**Spare protection cap**

Art. no. 603839

Plastic filter cap with stainless steel screen filter insert (105 µ mesh size) - for standard and high humidity use

**Bronzefilter**

Art. no. 605749

not for use in high humidity use

EBHT - **1** - **2** - **3** - **4**

Greisinger	
1.	Version
	1K Wall /channel version
	1R Wall / room version
	2K Channel version
	KABEL Wall version with cable, with high humidity sensor
	SHUT Radiation cap / weather protection incl. „-HO“ and „-LACK“
2.	Sensor
	HO High humidity sensor
3.	Fitting length EL
	000 No installation length
	050 50 mm
	220 220 mm
4.	Option
	VO Local display
	LACK Coated PC Board
	UNI Adjustable humidity display instead of the standard humidity values