

EASYBUS-SENSOR MODULES FOR HUMIDITY / TEMPERATURE



E.A.S.Y.BUS[®]
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/m³

Resolution: 0.1 % r.F. 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 mm² 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

with stainless steel gauze (105 µ mesh size) - for standard and high humidity use

Bronze filter

Art. no. 605749

not for use in high humidity use

EBHT - 1 - 2 - 3 - 4 - 5 - 6

Greisinger		
1.	Design type	
	1K	Surface /duct design
	1R	Surface design
	2K	Duct design
	KABEL	Surface design with cable, with High humidity sensor
	SHUT	Heat protective hat
2.	Options sensor	
	-HO	High humidity sensor
3.	Fitting length EL	
	-000	No installation length
	-050	50 mm
	-220	220 mm
	-300	300 mm
	-400	400 mm
	-500	500 mm
4.	Option	
	-VO	On site display
5.	Option	
	-LACK	Encapsulated PC Board
6.	Option	
	-UNI	Selectable humidity display instead of the standard humidity values