

## GHB-20(Burial type Transmitter)

### Built-In Housing Humidity/Temperature Transmitter

This burial type transmitter(Model : **GHB-20**) is a precise instrument that measures the humidity and temperature in the ambient airs by using humidity and temperature sensors. It has adopted LCD Display(128 x 64 with Backlight) to ensure outstanding readability in any environmental conditions.

Its main features include humidity and temperature display, 4~20mA current output, humidity and temperature compensation as well as error output functions when the sensor opens.

Also, **GHB-20** can change the range of temperature output, so it's suitable for the application where is needed more precise management of humidity and temperature.

**GHB-20** supports **RS-232** communication protocols (Option).

- Built-in Housing Type
- humidity and temperature measurement
- Dewpoint display
- Excellent long-term stability
- Error output when the sensor opens.
- RS-232 Communication (Option)
- 2 Channel Analog Current Output



GHB-20

### 1. Specifications

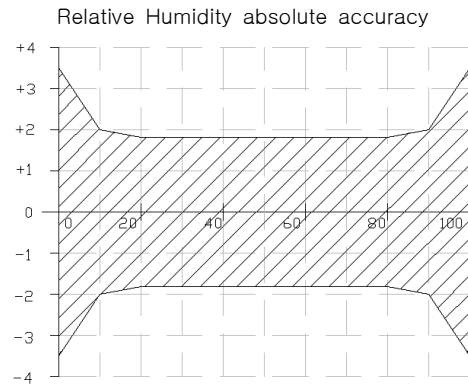
Power Input	24VDC@1A
Current Consumption	0.5A (Max 1A)
Operating Temperature	0~70°C(32 to 158°F)
Storage Temperature	-40 to 125°C(-40 to 257°F)
Case Material	Steel
Protection Grade	IP 65
Output	4~20mA Current Output (2 Channel) (16bit Resolution)
Output Max. Load	500 Ohm(General 250 Ohm)
Communications	RS-232C (Proprietary Protocol) <Option>
Display	Graphic LCD 128×64 with White Backlight
User Interface	Programmable 5 Keys Push Buttons Switch

### Relative Humidity(RH)

Accuracy/Range	$\pm 2\%RH$ (10~90%RH) $\pm 3.5\%RH$ (0~10, 90~100%RH)
Non-linearity	$\ll 1\%RH$
Response Time	4 Seconds
Repeatability	$\pm 0.1\%RH$
Resolution	0.03%RH(12bit)

*Specification for humidity*

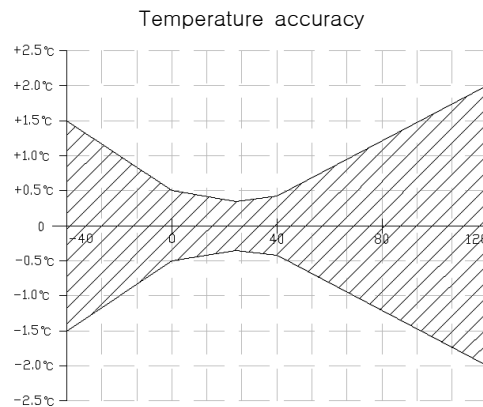
### Characteristic Graph



### Temperature(T)

Accuracy/Range	$\pm 0.3^{\circ}C$ 0 ~ 70 $^{\circ}C$
Response Time	5 Seconds
Repeatability	$\pm 0.1^{\circ}C$ ( $\pm 0.2^{\circ}F$ )
Resolution	0.01 $^{\circ}C$ (14bit)

*Specification for temperature*



### Dimensions

