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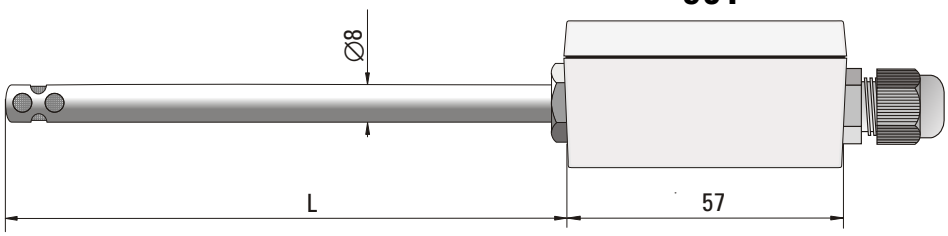
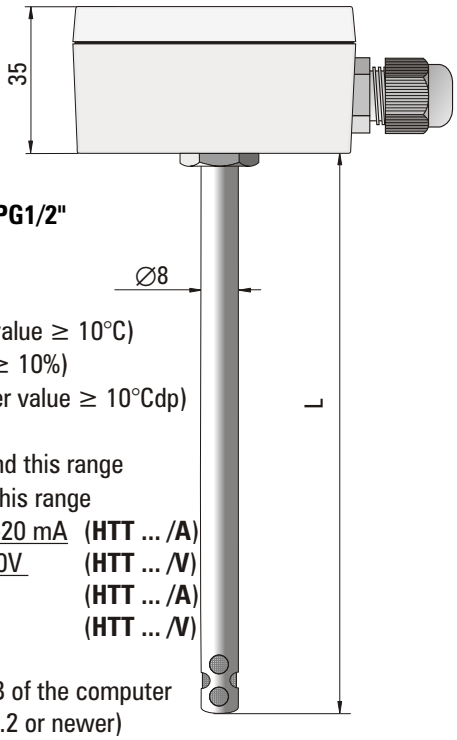
TEMPERATURE AND HUMIDITY SENSOR WITH TRANSMITTER

type HTT-961, HTT-962

961



962



TECHNICAL DATA

Sensor

Application	measurement of temperature and relative humidity of air indoors and in venatilation ducts
Measuring range	–40°C...+120°C, 0...100%RH
Processing element	SHT21 lub SHT31 (Sensirion)
Housing / sensor sheath material	PC / 1H18N9T
Dimensions of the housing	57 x 64 x 35 mm
Operating temperature	–40°C...+80°C
Additional accessories	compression gland type **KPM12x1,5**; **KPM20x1,5; KPG1/2"**

Transmitter

Processing ranges of:		
temperature	programmable, max. –40°C ... +120°C (upper-lower value ≥ 10°C)	
relative humidity	programmable, max. 0% ... 100% (upper-lower value ≥ 10%)	
dew point temperature	programmable, max. –40°Cdp ... 120°Cdp (upper-lower value ≥ 10°Cdp)	
The dew point is calculated based on relative humidity and temperature.		
Temperature processing error	max. 0,5°C for 0°C ≤ T ≤ 60°C and up to 1,5°C beyond this range	
Humidity processing error	max. 3% for 20% ≤ RH ≤ 80% and up to 5% beyond this range	
Output signals	programmable within the range of 0-20 mA, default 4-20 mA	**(HTT ... /A)**
	programmable within the range of 0-10 V, default 0-10V	**(HTT ... /V)**
Power supply	12 ... 36 V DC / 55 mA	**(HTT ... /A)**
	14 ... 36 V DC / 35 mA	**(HTT ... /V)**
Operating temperature	–40°C...+80°C	
Programming	by using the **IF-2013U** interface connected to the USB of the computer (ordered separately) and **E-config** software (version 2.2 or newer)	

ORDERING CODE

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
HTT	—	—	—	/	/	/	/	/	/	/

(1)	Sensor type	**961**, **962**
(2)	Sensor length	L = **50**, **100**, **150** or **200** mm (other on demand)
(3)	Additional accessories	compression gland e.g. **KPM12x1,5**
(4)	Output signals:	**A** current output refferenced to the supply minus, default 4-20mA **V** voltage output refferenced to the supply minus, default 0...10V
(5)	Lower end of the temperature processing range	value in [°C], default -40
(6)	Upper end of the temperature processing range	value in [°C], default +120
(7)	Lower end of the humidity processing range	value in [%], default 0
(8)	Upper end of the humidity processing range	value in [%], default 100
(9)	Humidity unit	**%RH** or °**Cdp**, default %RH
(10)	Range of output signal (if different from default) e.g. **0-20mA**, **1-5V**	

Examample for order: HTT-962-150 / A denotes temperature and humidity sensor, in a sheath of diameter ∅ = 8 mm and length of L = 150 mm, with 4-20mA transmitter, for measuring range of -40...+120°C and 0...100%RH.