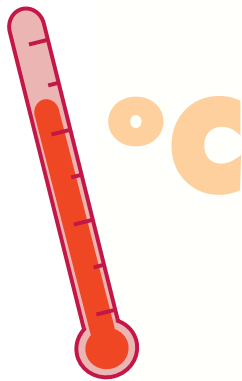
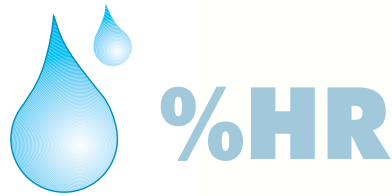




# HUMIDITY AND TEMPERATURE SENSOR



# HUTE-RS4-DIS



- WITH LARGE LCD DISPLAY
- DIGITAL CORRECTION from the ERROR of T°, HR of the SENSOR
- INDIVIDUAL CALIBRATION CERTIFICATE
- INCORPORATES SUPPORT
  - A MURAL (WALL)
  - ON RAIL



- HOME AUTOMATION
- AIR-CONDITIONING
- WAREHOUSES
- HUMIDIFIERS
- DEHUMIDIFIERS



**HUMIDITY**

0/100%HR  
OUTPUT  
**RS485**




**TEMPERATURE**

-40/+80°C  
OUTPUT  
**RS485**

# TECHNICAL CHARACTERISTICS

## TEMPERATURE



Range	-40/+80°C
Offset correction	digital
Precision	±0,3°C

## HUMIDITY



Range	0/100%RH
Precision - 25°C	3%RH (5%RH ~ 95%)
Stability	<2% F.S.

## description

High-precision temperature and humidity sensor with low drift and longer life.

RS485 Modbus output.

Wide power supply range (10.. 30VDC).

Includes a large LCD display.

Allows sensor calibration correction via keyboard, protected by password.

IP65 watertight housing, with easy removal for wall or rail mounting.

## POWER SUPPLY

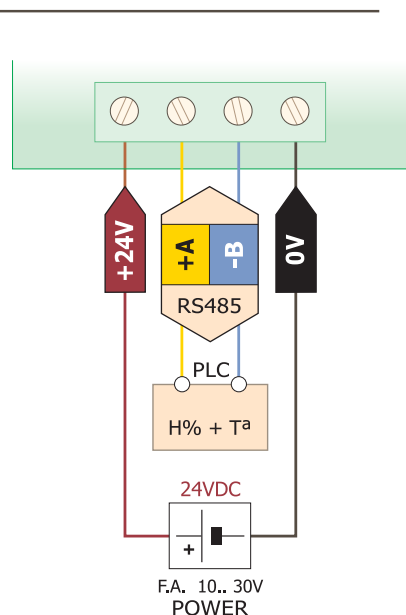


Power	24VDC
Margin	10.. 30VDC
Maximum consumption	1W

## CE EMC STANDARDS

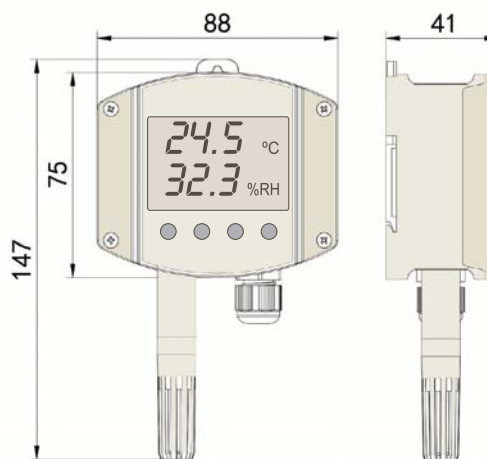
EMC 2014/30/EU (electromagnetic compatibility)
DBT 2014/35/EU (low voltage directive) for industrial environments.
CE Interference immunity according to EN 61000-6-2.
Emission of interference according to EN 61000-6-3.
Installation category II. Pollution degree 2 EN 61010-1.

## CONNECTION

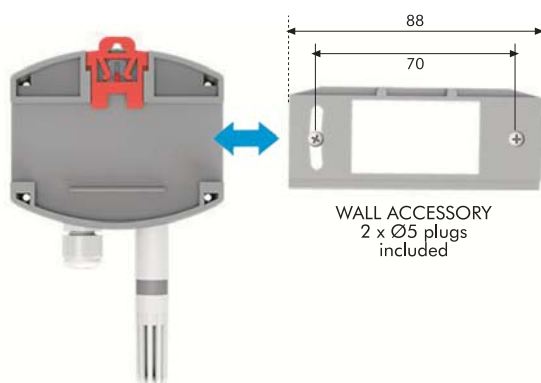


## FORMAT

Box dimensions	88x75x41mm
Dimensions + probe	147x75x41mm
Material	ABS material
Box protection	IP65
Wall mounting	accessory support
Rail mounting	quick clip
Internal connection	clamp terminal block
External connection	PG7 clamp
Weight	160gr.



## WALL INSTALLATION



## RAIL INSTALLATION



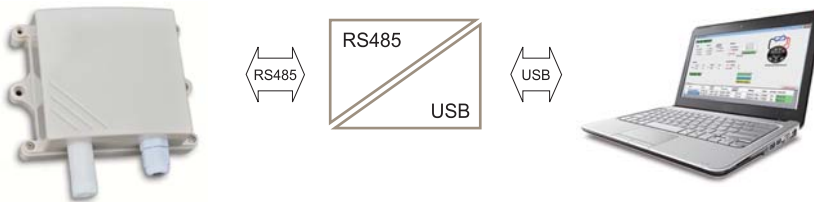
# RS485 registers

Modbus Address	Description	
0000	Humidity	RO (read only)
0001	Temperature	RO (read only)

## CONFIGURATION

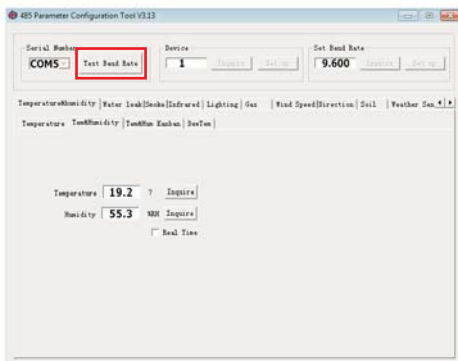
To change the device number (address) = 1 and the communication speed (BaudRate) = 4.800

- 1 Before running the software, connect the equipment via an RS485/USB converter



- 2 Run the software "485 Configuration ToolV3.13"

Download:  
[www.remberg.es/descargas/HUMETE-RS4-software.zip](http://www.remberg.es/descargas/HUMETE-RS4-software.zip)

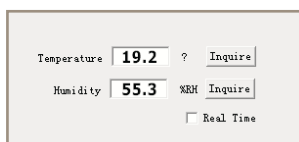


The COM port that is being used for communication should appear automatically.

If not, look for it through the operating system devices.

Default values:  
 Address=1  
 Baud Rate=9.600

- 3 Press "TEST BAUDRATE" and OK.  
 If we click on "Temp&Humidity" and select "Real Time", we will see continuously monitored, with one decimal, temperature and humidity (2 samples / second approx.) Example: T°=19.2°C  
 H%=55.3%



- 4 To modify Device (address 1 to 255) and BaudRate (2,400, 4,800 or 9,600), enter a new value and press the corresponding "Setup".

At any time, in case of communication blocking, press "Test BaudRate" and the Address and BaudRate values ??stored in the device will appear, and you can then modify them.