



Description

- Wireless Humidity & Temperature Transmitter HM-007: This device is a wireless temperature and humidity transmitter that sends measurement data to a computer with a communication range of up to 500 m indoors and 1,000 m outdoors (depending on obstructions).
- Support installation of more than 1,000 devices per 1 gateway system.
- LoRaWAN Class A wireless communication.
- Temperature 0-100 °C.
- Humidity Range 0-100% RH.
- Convince to install save the cost to wiring cable to computer.
- Suitable for smart industries, IoT, IIoT, Cloud System.
- Approved by NBTC.
- Display result by 7-Segment LED 3 Digits.

Specification

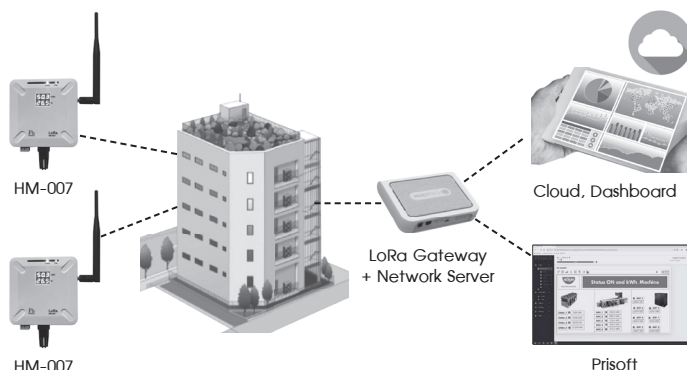
Power Supply		100-240VAC 50-60Hz
Display		2 LED (Power, LoRa)
Input	Input Type	Humidity 0-100%
		Temperature 0-100 °C
	Accuracy Humidity	±4.5 (10-90% RH)
	Accuracy Temperature	±1 (0-60 °C)
	Long-term drift Humidity	<0.25 %RH/yr
	Long-term drift Temperature	<0.03 °C/yr
LoRa Communication	Frequency	923 -925 MHz
	Transmit Power	+20 dBm (E.I.R.P.)
	Spreading Factor	7-12
	Sensitivity	Up to -137 dBm
	Bit Rate	Up to 300 kbps
	Antenna	SMA
	Duty Cycle	1%
Ambient Operation	Temperature	-10 °C to 60 °C
	Humidity	<85% RH Non-Condensing
Ambient Storage	Temperature	-20 °C to 80 °C
	Humidity	<85% RH Non-Condensing
Protection Degree		IP30
Material		ABS-V0
Size (mm.)		120 x 120 x 29.5
Weight (kg.)		170

Operation

HM-007 is a temperature and relative humidity measuring device. It transmits temperature and humidity data to a LoRaWAN gateway via the 923-925 MHz frequency to save data and applied in the applications such as dashboards. The device includes keypads for testing.

The device includes keypads for testing LoRaWAN system.

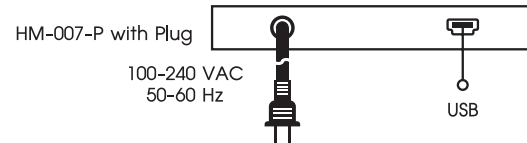
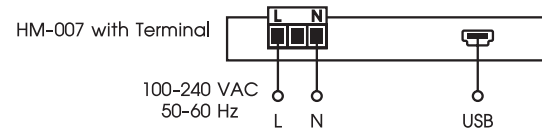
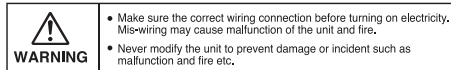
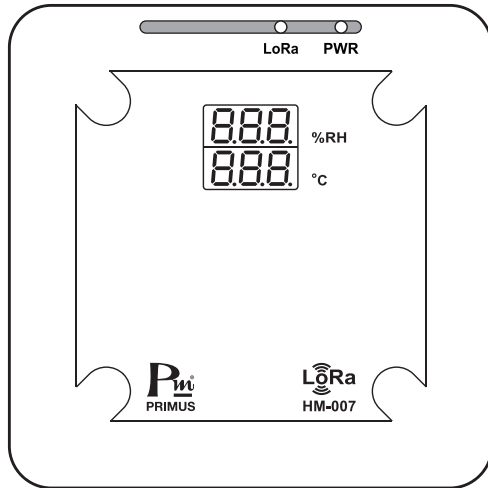
HM-007 is suitable for long-distance use and requires no wiring, making it ideal for smart industries, facilities management, smart buildings, and similar applications. Devices can be installed easily and quickly, reducing the cost of long communication cables. HM-007 and LoRaWAN Gateway can transmit data up to 1 km in open areas.



Picture shows the example of HM-007 and LoRa System application.

Prisoft supports information management with HM-007, making it suitable for applications that require long-distance wireless transmission of temperature and humidity, such as food industries, smart industries, facilities management, and smart buildings. It operates online continuously, reduces labor, improves accuracy in data recording, and lowers costs.

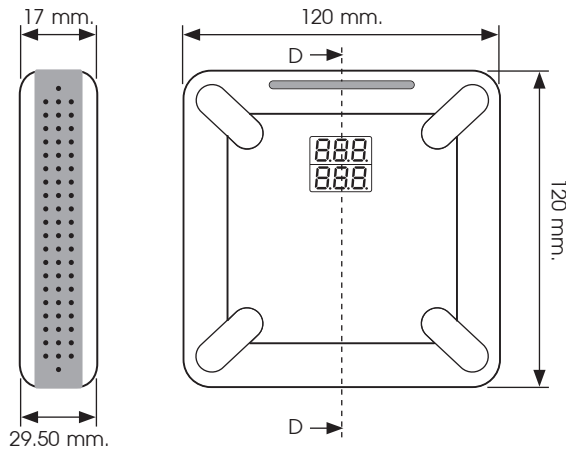
Wiring Diagram



PWR : Show device status

LoRa : Show LoRa data transmitting status

Dimension



Ordering Code

HM-007-	
Wiring Connector	
None	Terminal
P	Plug+Cable 1.5 m.