



Wiot Environmental Sensor

Model: WS-T/H-102

The WIoT WS-T/H-102 environmental sensor is a wireless sensor that monitors the temperature & humidity of a closed environment. This environmental sensor is fully automated and seamlessly connects with the WIoT Gateway system.

The sensor can be installed on all surfaces & environments. Temperature & humidity values are transmitted instantly when any change is detected via the WIoT Gateway.

Multiple WS-T/H-102 sensors can be deployed in the same environment or area(s) in order to increase safety and visibility. The WS-T/H-102 is simple and easy to install.

HIGHLIGHTS

- Connect wirelessly to WIoT Gateway and transmits temperature & humidity status instantly when the values changed
- Automatically connects to the associated WIoT gateway
- Last for 3+ years on a single battery
- No drilling or holes required for installation
- Waterproof, ruggedized design

ADDED VALUE

Emergency & Safety Monitoring

- Monitor real-time closed environment status
- Monitor real-time temperature and humidity
- Monitor temperature & humidity for passenger safety inside vehicle

For D.O.T. Compliance

- Alert if the vehicle environment is not safe for passenger(s)
- Monitor the performance of vehicle air conditioning

TECHNICAL SPECIFICATION

Sensors Mechanism	Built-in airflow sensing
Normal State	Threshold set value
Alarm State	Threshold set value
Other Alarms	Use logic to combine the threshold values & status and/or
Use Case	AC is not working properly, etc.
Compatibility	Integrated with all WIoT Series
Update Frequency	Real-time when the values changed
Trigger Sensitivity	10s (1 m/s airflow)
Data Transmission	Wireless transmission via WIoT Gateway
Accuracy	-10° to 60° C, Typical: ±0.3°, C Max: ±0.4° C -40° to -10° C 0 to 80% RH Typical: ±2.0% Max: ±3.0% 80 to 90%RH Typical: ±2.5% Max: ±3.8% 90 to 95%RH

PRODUCT SPECIFICATION

Material	Polycarbonate, PMMA
Dimensions	6.5 x 6.5 x 2.2 cm
Weight	76g
Operating Temperature	-40 C° to 70 C°
Operating Humidity	Max. 95%
Battery	3.6 V, 3+ years battery life Replaceable AA battery
Wireless Frequency	433 MHz low-power data protocol
Range	10-30 m (line of site), is depend on the physical obstacle
Ingress protection	IP67 Rated, Waterproof and dustproof
Mounting Material	3M sticker and (optional) screws

IN NORTH AMERICA
+1 (289) 409-9692
2233 Argentia Road
Suite #302, East Tower
Mississauga, Ontario L5N 6A6
Canada

IN MENA
+1 (289) 409-9692
(Middle East & North Africa)
Post Production Media Building
Suite #504A, Ministries Complex
P.O.Box 769433, Abu Dhabi, UAE

SUPPORT
Bring Wiot to your Business
contact@innoventintegrated.com

www.wiotbox.com