Technical Datasheet

RSTH-700
Temperature and Humidity Sensor

Radiant Sensors RSTH-700 is proven to be a revolutionary wireless temperature and humidity sensor due to its incredibly small size, wireless communication and long battery life (over 5 years). Thanks to its first-rate internal RF antenna, RSTH-700 can capture temperature and humidity data from its ambient environment and transmit even from inside a refrigerator. The transmitted data will then reach the IoT cloud through RSZGW-600 or RSZGW-600C Internet gateway, using the facility's existing Wi-Fi or Cellular network.

Fully integrated with Radiant Watch cloud platform, you can view real-time sensory data along with its history in different visual formats. You can define events and set unlimited alerts and notifications. The entire system is designed to be plug & play, and provide accuracy and ease of use to the highest level. RSTH-700 wireless temperature and humidity sensor delivers the promise of IoT to many industries including healthcare, food, cold chain monitoring, oil & gas, construction, manufacturing, building management systems and many more . . .

Features

- Long wireless transmission range
- Small form factor
- Long battery lifespan (over 5 years)
- Field-replaceable battery
- Industrial rugged design (IP54)
- Easy Snap-on installation
- Low cost for high volume deployment
- Data emission indicator LED
- Versatile and flexible
- Compatible with Radiant Watch cloud platform

Applications

- Healthcare
- Food Industry
- Oil & Gas
- Construction
- Manufacturing
- Cold chain monitoring
- Building Management Systems

Measure Precisely-Manage Wisely

Technical Datasheet

Specifications

RSZGW-600 and RSZGW-600C collect sensory data from all RSTH-700 sensors in their interrogation range and emit the data to the user's choice of IoT cloud via Wi-Fi, Ethernet or GSM with blazing fast speed.

Radiant Sensors designs, develops and manufactures IoT sensor devices as well as RFID hardware products for short and long-range wireless identification technology. Our devices are field-proven and have been in operation for many years throughout the world

www.Radiantsensors.Com
Email: Sales@Radiantsensors.Com

Model No.	RSTH-700	
Product	Wireless Temperature and Humidity Sensor	
Battery Type	Replaceable lithium ion coin cell battery (CR2032)	
Battery Life	Up to 5 years (depending on data transmission interval)	
Max Transmission Range	120 m (400 ft.). Actual ranges vary depending on the configuration of obstacles and environment.	
Temperature Sensor Specifications	Range	-20 to 60°C (-4 to 140 °F)
	Sensitivity	0.016 °C
	Accuracy	±0.5 °C (in the range of 15°C to 50 °C) ± 1 °C (in the range of 0°C to 15°C)
Humidity Sensor Specifications	Range	0 to 100% RH
	Sensitivity	0.004% RH
	Accuracy	±3.5 (in the range of 20% to 80% RH)
Dimensions	Diameter: 31 mm (1.22 in), Height: 9.5 mm (0.37 in)	
Weight	12 grams	
Attachment	Tether hole (standard) Foam or Film adhesive (optional)	
Material	ABS Plastic	
Color	Black and White. Can be customized to any color.	
IP Rating	IP54	
Certificates	FCC, CE	
Compatibility	Works with RSZGW-600 and RSZGW-600C Internet Gateway and Radiant Watch Cloud Platform.	