



RadioGeet RGHT34

Model RGHT34 series are designed for highly accurate humidity and temperature measurement for a wide range of industrial, pharmaceutical and building automation applications. RGHT34 Model provides better than 1.5% RH accuracy and Class A RTD with excellent long term stability. All these devices provide high performance in a compact design. 4-20 mA DC output signals can be fed as input to display. The model RGHT34 series uses capacitance based sensor for humidity measurement, that is unaffected by high humidity, dust, fog etc. A rugged weather proof enclosure is available to monitor space humidity and temperature.

FEATURES

- ❑ Measuring Range: 0-100% RH in models, suitable for many applications
- ❑ Class-A RTD Pt 100 sensor used for temperature measurement
- ❑ Capacitance based sensing.
- ❑ Excellent long-term stability
- ❑ High Accuracy

APPLICATION

- ❑ Building Automation
- ❑ Weather forecast/ Lab
- ❑ Industrial / Factory / Process
- ❑ Pharmaceutical Labs
- ❑ Environmental Monitoring

TECHNICAL SPECIFICATIONS

Humidity

Measurement Range: 0 - 100% RH
Output: 4-20mA / I2C
Accuracy: +- 1.5 %RH
Sensor: Capacitive
Sensor Response Time: 8 sec

Wireless

Network Topologies: Point-to-point, Point-to-multipoint, Mesh
Operating Channels: 11 to 26
Protocol supported: DigiMesh
Spread Spectrum: Type Direct Sequence
Filtration Options: PAN ID, 64-bit MAC

Structural

Dimension (in mm): 350(L) x 330(B) x 85(H)
Enclosure material: MS
Enclosure protection: IP65
Mounting: Wall mount | Hanging

Temperature

Measurement Range: -40 - 125 Degree Celsius
Output: 4-20mA / I2C
Accuracy: +- 1 Degree Celsius
Sensor: Capacitive
Sensor Response Time: 5 sec

Power Supply

Voltage: 230 VAC
Max. Power consumption: 20 W

Display

Size: 4" Seven Segment Display
Digit: Three Digit Display
Output: Analog 4-20mA

Sustainability

Ambient temperature: 0 to 60°C
Storage temperature: -20 to 80°C
Humidity: 10% to 95% RH (Non-Condensing)

NOMENCLATURE

Model	Size	Analog Output	Wireless	Hooter
RGHT3X-XXX	2- 2" Inch 4- 4" Inch	A - 4-20mA AC- 4-20mA + RS485	N - No Y - Yes	N - No Y - Yes