



Temperature & Humidity Sensor

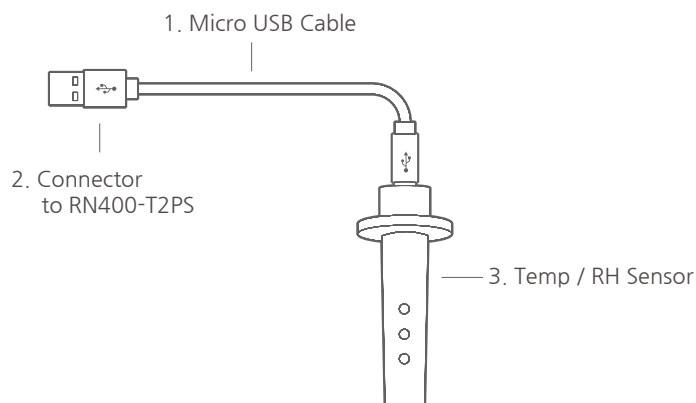
RG20-A

- RN400 Gear product for Temp/RH
- High Accuracy $\pm 1.5\%$ RH Humidity
- High Accuracy $\pm 0.1\text{ }^{\circ}\text{C}$ Temperature
- Stainless Steel Material Housing
- Replaceable Sensor
- Fast Response of Humidity
- Only for RN400-T2PS

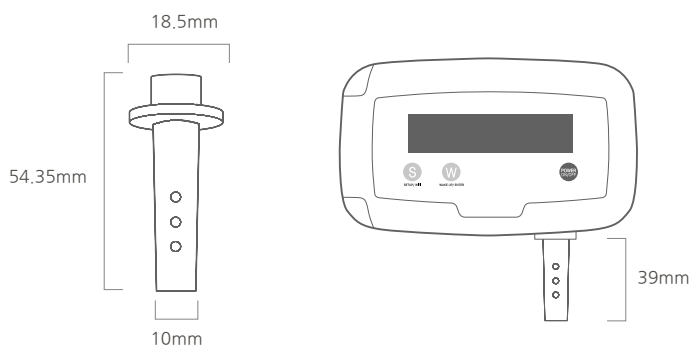


The RG20 Temperature and RH sensor is designed for working with RN400. Radionode RN400 will detect RG20 automatically once it is plugged on USB. It has a highly accurate temperature/humidity sensor inside. RG20 would be required on the place need a fast response of humidity.

Hardware



Dimensions



⚠ CAUTION!

- It is only for RN400 device.
- RG20 does not have any USB software class.

Contact Information

- www.radionode365.com
- master@dekist.com

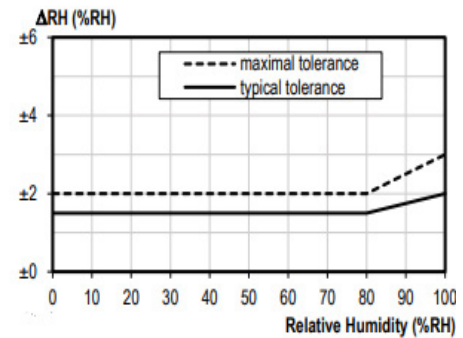
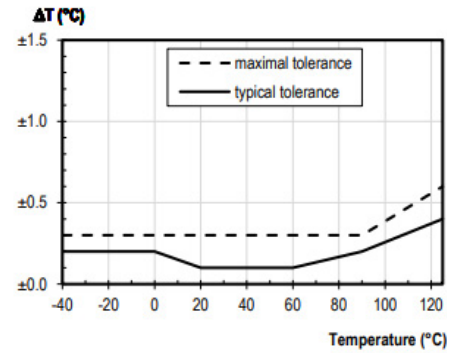


Temperature & Humidity Sensor

RG20-A Specifications

Sensor Channel Info.	<ul style="list-style-type: none"> • CH1: Temperature • CH2: Relative Humidity
Sensor Type	MEMS
Body Material	Stainless Steel
Measurement Range	<ul style="list-style-type: none"> • Temperature: -40°C ~ 80°C (-40 ~ 176°F) • Humidity: 5% ~ 95%RH
Measurement Unit (Selection using SW)	<ul style="list-style-type: none"> • Temperature: °C(Default), °F • Humidity: %
Measurement Cycle	1 sec
Sensor Resolution	<ul style="list-style-type: none"> • Temperature: 0.01 °C • Humidity: 0.01 %RH
Sensor Accuracy (Repeatability)	<ul style="list-style-type: none"> • Temperature: ±0.1 °C(Cond. 20°C ~ 60°C) • Humidity: ±1.5 %RH(Cond. 0% ~ 90%)
Long-term Drift	<ul style="list-style-type: none"> • Temperature: < 0.03°C a year • Humidity: 0.25 %RH a year
Response Time	<ul style="list-style-type: none"> • Temperature: 2 secs • Humidity: 8 secs
Operating Condition	<ul style="list-style-type: none"> • Temperature: -20 ~ 80°C (-4 ~ 176°F) • Humidity: 5 ~ 95%RH
Lifetime	More than two year
Power Consumption	5V (Max.80mW)
Calibration Certificate	Bulk Certificate from Sensirion Data
USB Port	USB 2.0 Type A Plug
Output Signal	2 Wire Digital (Only For RN400-T2PS)

Sensor Characteristics



Application

- Semiconductor Facility
- Pharmaceutical Facility
- Semiconductor production lines

Product Components

Model	Component
RG20-A	<ul style="list-style-type: none"> • RG20-A(1EA) • Micro USB Cable(1EA)