



Temp/RH Data Logger via WiFi

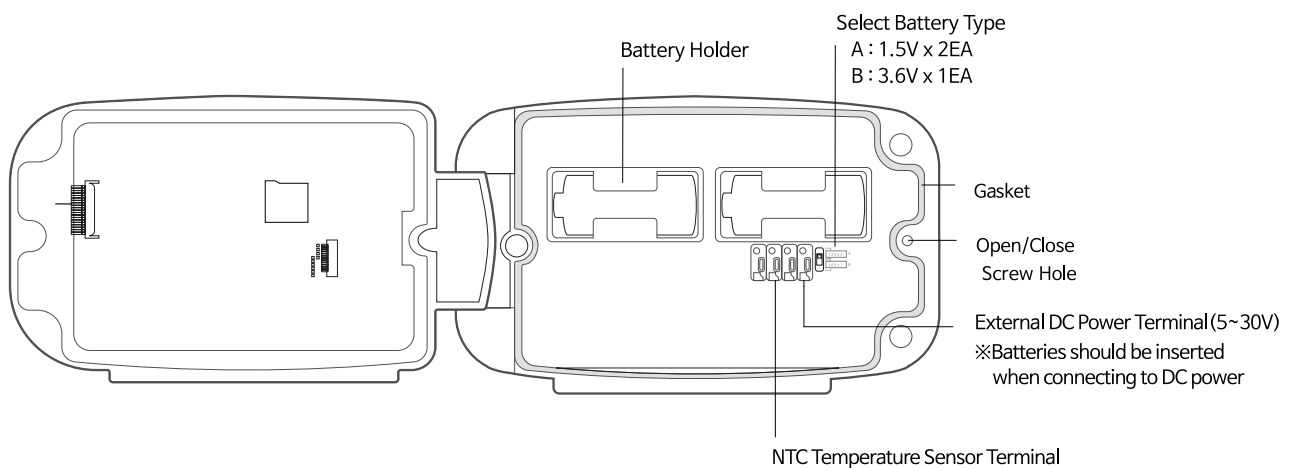
RN400-H2PS

- WiFi support b/g/n 2.4GHz
- Internal Temp/RH Sensor
- 1 CH. NTC Temperature Input
- Cloud Storage / HTTP Output via WiFi
- C Type Battery / DC 5~30V
- OLED Display / micro SD / Backup FRAM



RN400-H2PS is designed to measure internal Temp/RH, and external NTC Temperature sensor signal and transfer them to the destination via WiFi connection. The destination would be an information system such as public cloud, local server, and even PC. It operates with battery power and has a protective gasket for various industrial sites. Premium RN400 H2 series have IP65 for protection, OLED screen for cold outdoor, F-RAM memory for instant backup and micro-SD card for CSV backup.

Hardware



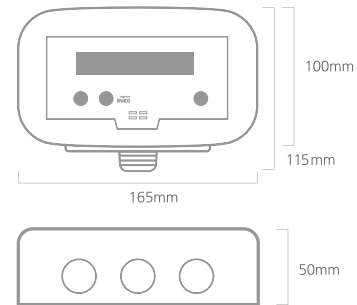


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RN400-H2PS Specifications

Communication Method	<ul style="list-style-type: none"> • 2.4GHz IEEE 802.11 b/g/n up to WPA2-Enterprise • HTTP Get/Post (Radionode V2 Protocol)
Internal Temp/RH sensor	<ul style="list-style-type: none"> • CH1: Temp (Range: -20 ~ 60°C (-4 ~140°F)) • CH2: RH (Range: 0 ~ 95%RH)
External Temp Sensor Input	<ul style="list-style-type: none"> • CH3: NTC Temp I/F (Range : -20 ~ 50°C((-4 ~122°F))
Accuracy	<ul style="list-style-type: none"> • Temp.Accuracy : $\pm 0.3^{\circ}\text{C}$ (0~ 90 $^{\circ}\text{C}$) • R.H. Accuracy : $\pm 2.0\%$ RH (10~ 90%RH) • NTC Accuracy : $\pm 0.8^{\circ}\text{C}$ (typical)
Operating Condition	-20°C ~ 60 $^{\circ}\text{C}$ (-4 ~140°F) / 0 ~ 95 %RH (non-condensing)
Buzzer	YES
Display Type(color)	OLED 20X2 CHAR (Y or W)
Sensing Interval	10secs, 1Min, 5Mins, 10Mins, 20Mins, 30Mins 10 Seconds Mode is supported when customer server mode
Sending Interval	10secs, 30secs, 60secs, 5Mins,10Mins,20Mins, 30Mins,40Mins,60Mins 10 Seconds Mode is supported when customer server mode
Internal Memory	32KByte F-RAM (Automatic Sample Backup available when no wifi) 1,930 Samples /CH
External Memory	Option(16GB microSD, permanent logging)
Battery / Life Span	C Type 1.5V X 2EA OR C Type 3.6V X 1EA / a year with 1.5V X 2EA @ 10min sensing •sleep: 36uW •measuring: 84mW •wifi : 400mW
Protection	IP65
External Power / UPS	DC 5~30V / YES (When DC Power Shutdown, the source is changed into the Battery immediately)
How To Setup	PC Setup Software via USB Cable
Wall Mount Types	Magnet & Screw Hole
Weight	352 g

Dimensions



Application

- Food storage sites(refrigerators, freezers)
- Bio-labs
- Building energy usage monitoring
- Medicine and medical goods storage sites
- Semiconductor production lines

Product Components

- RN400-H2PS Temp/RH Datalogger
- 2 Type Cable Glands (PG9 1EA/ PG11 2EA)

Optional Accessories

Type	12V DC Power Adaptor
Model	AP-P1
Length	3 M
Spec	12V 500mA

Type	NTC Temp Sensor
Model	PR-N1-20
Length	20cm
Spec	Diameter: 6.4ø, Length: 60mm

Type	NTC Temp Sensor
Model	PR-N2-200
Length	2 M
Spec	Diameter: 6.4ø, Length: 60mm

Contact Information

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