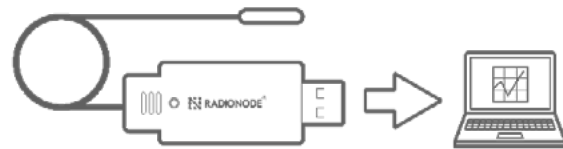




PT100 Cryogenic Temperature Transmitter via USB

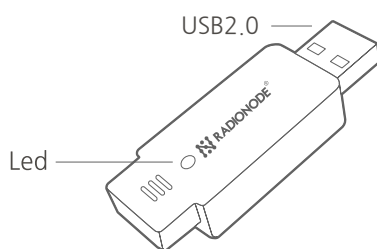
UA13-CRS

- 1CH Real Time Temperature Transmitter
- PT100 Sensor Probe Support
- External PT100 sensor available
- Operating On Windows / Linux / MacOS
- AT command Support
- PC Recording Software (Tapaculo Lite)
- Android Recording App. (Tapaculo Mobile)

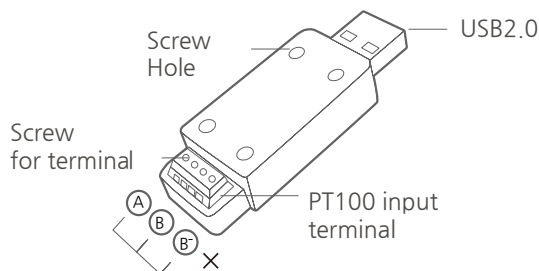


The UA13 device has a one 3 wire PT100 input port. It transmits temperature information to host devices in real-time via the USB connector. 3 wire PT100 sensor probe is included. It does not have a battery and a memory to store samples inside. The UA Series is automatically recognized as a serial port on the operating system and accessed using the AT command. Multiple USB connections of UA device could compose the multi-channel sensor. 128CH real time monitoring software, Tapaculo Lite is downloadable on our website(www.radionode365.com). And android real time recording application is also available from google play store. The optional RN17X model helps UA series for you to setup a remote web monitoring system.

Hardware

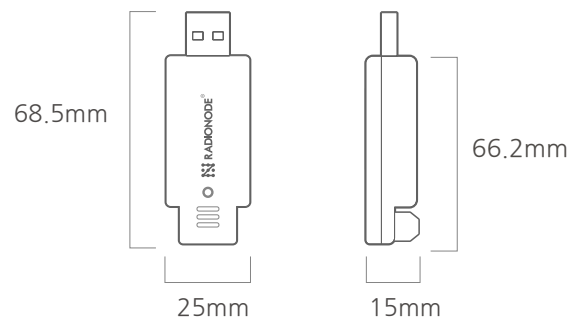


<Front>



<Bottom>

Dimensions



Notice

- Download the Tapaculo Lite (monitoring software on PC) **from www.radionode365.com.**
- Download the Tapaculo Mobile (monitoring software on Android) from google play store.

Contact Information

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



PT100 Cryogenic Temperature Transmitter via USB

UA13-CRS Specifications

Power	5V(USB Power), 50mW
External Sensor	3 Wire PT100 Sensor
Measurement Range	-200 ~ 300°C (-328 ~ 572°F) ※Check the optional accessory temperature sensor specifications separately.
Temp Scale	°C / °F
Accuracy	±0.625°C
Resolution	0.009°C (@ -200°C) 0.010°C (@ 0°C) 0.011°C (200°C)
Operating Range	Temp : -40 ~ 80°C (-40 ~ 176°F) Humidity: 5 ~ 95%RH
Sensing Interval	Min: 100ms
Input	1CH : 3 Wire PT100 Sensor
Output	USB Digital (AT Command) EX> ATCD 11,23, ---
USB Port	USB 2.0 Type A Plug
LED	Device Status Indicator • RED KEEP ON : USB connection Failed • GREEN BLINK : Measuring Sensors
Calibration Method	Three point calibration
Software Support	*Tapaculo Mobile > 1CH recording software on Android devices *Tapaculo Lite > 128CH recording software on PC *Calibration Software > Calibrator that compensates measuring error.

Application

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

Product Components

Model	Component
UA13-CRS	<ul style="list-style-type: none"> • UA13-CRS (1EA) • Calibration Certificate (1EA)

Optional Accessories

Type	Model Number	Spec.
3 Wired PT100 Sensor Temp Sensor	PR-P1-3	<ul style="list-style-type: none"> • Measurement Range: -200 ~ 200°C (-328 ~ 392°F) • Length: 3 Meter
	PR-P1-15	<ul style="list-style-type: none"> • Measurement Range: -200 ~ 200°C (-328 ~ 392°F) • Length: 15 Meter
Sensor data transmitter via Ethernet	RN171 WC	<ul style="list-style-type: none"> • Supports cloud monitoring • Supports MODBUS TCP/HTTP data transmission • Power: PoE 48V, IEEE802.3af/at, DC6V, 1.9W
Sensor data transmitter via WiFi	RN172 WC	<ul style="list-style-type: none"> • Supports cloud monitoring • Supports MODBUS TCP/HTTP data transmission • Power: DC6V, 2.4W