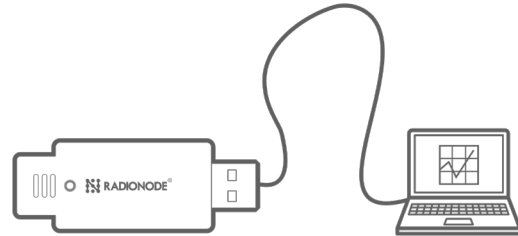




Temperature & Humidity Transmitter via USB

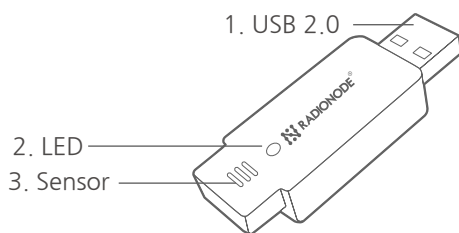
UA10-CHS

- High Accuracy ± 2 %RH Humidity Sensor
- High Accuracy ± 0.2 °C Temperature Sensor
- Operating On Windows / Linux / MacOS
- AT Command Support
- PC Recording Software (Tapaculo Lite)
- Android Recording App. (Tapaculo Mobile)

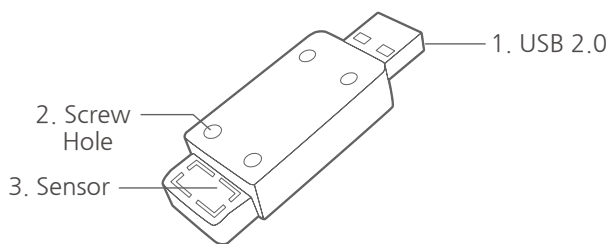


The UA10 device has a highly accurate temperature/humidity sensor inside. It transmits the temperature and humidity information to host devices in real-time via the USB connector. It does not have a battery and a memory to store samples inside. The UA Series is automatically recognized as a serial port on operating system and accessed using the AT command. Multiple USB connection 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 remote web monitoring system.

Hardware

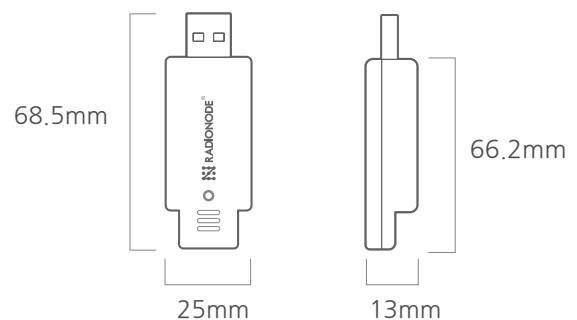


<Front>



<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

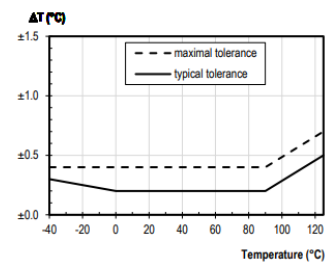
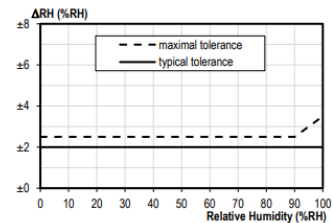


Temperature & Humidity Transmitter via USB

UA10-CHS Specifications

Power	5V(USB Power), 50mW
Measurement Range	Temp : -40°C ~ 80°C (-40 ~ 176°F) (±0.2°C) Humidity : 5% ~ 95%RH (±0.2%RH)
Embedded Sensor	MEMS type Temp/RH Sensor
Temp Scale	°C/°F (Default °C)
Temperature Resolution	0.01 °C
Humidity Resolution	0.01 %RH
Sensing Interval	Min: 100ms
Channels	<ul style="list-style-type: none"> • 1CH: Temp • 2CH: Humidity
Response Time	<ul style="list-style-type: none"> • Temp: 2 Sec • RH: 8 Sec
Long term drift per a year	<ul style="list-style-type: none"> • Temp: < 0.03°C • RH: 0.25 %RH
Operating Range	<ul style="list-style-type: none"> • Temp : -20 ~ 80°C (-40 ~ 176°F) • Humidity: 5 ~ 95%RH
Output	USB Digital (AT command) ex> ATCD 12.11, 23.41
LED	Device Status Indicator <ul style="list-style-type: none"> • RED KEEP ON : USB connection Failed • GREEN BLINK : Measuring Sensors
USB Port	USB 2.0 Type A Plug
Software Support	<ul style="list-style-type: none"> *Tapaculo Lite > 128CH recording software on PC *Tapaculo Mobile > 2CH recording software on Android devices *Calibration Software > Calibrator that compensates measuring error.

Sensor Characteristics



Application

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

Product Components

Model	Component
UA10-CHS	<ul style="list-style-type: none"> • UA10-CHS(1EA) • USB Extension Cable(1EA) • Calibration Certificate(1EA)

Optional Accessories

Function	Model Number	Spec.
Sensor data transmitter	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	RN172 WC	<ul style="list-style-type: none"> • Supports cloud monitoring • Supports MODBUS TCP/HTTP data transmission • Power: DC6V, 2.4W