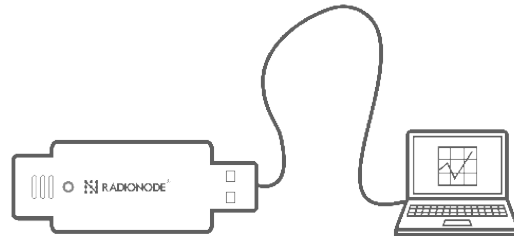




## Temperature & Humidity Transmitter via USB

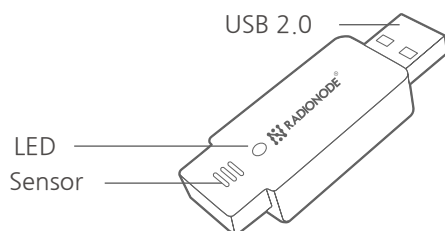
# UA10H-CHS

- High Accuracy  $\pm 2.0\%$  RH Humidity Sensor
- High Accuracy  $\pm 0.2$  °C Temperature Sensor
- Operating On Windows / Linux / MacOS
- AT Command Support
- PC Recording Software (Tapaculo Lite)
- Android Recording App. (Tapaculo Mobile)

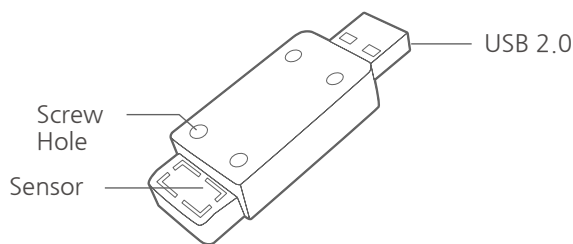


The UA10H-CHS device has a highly accurate temperature/humidity sensor inside. It transmits the temperature and humidity information to host devices in real-time via the USB connector. It does not have a battery and a memory to store samples inside. The UA Series is automatically recognized as a serial 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](http://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

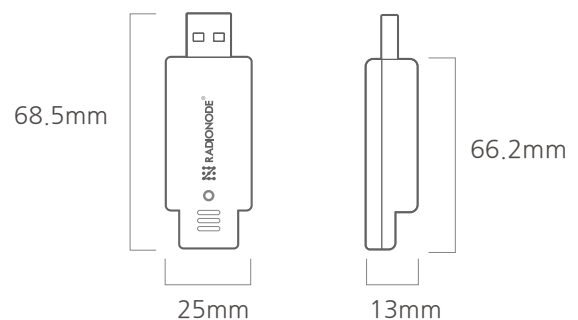


<Front>



<Bottom>

### Dimensions



### Notice

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

### Contact Information

- [www.radionode365.com](http://www.radionode365.com)
- [master@dekist.com](mailto:master@dekist.com)

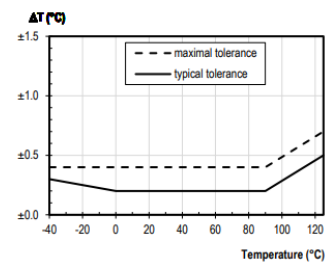
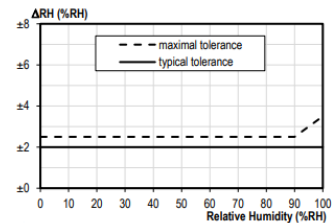


## Temperature & Humidity Transmitter via USB

### UA10H-CHS Specifications

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

### 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
UA10H-CHS	<ul style="list-style-type: none"> <li>• UA10H-CHS(1EA)</li> <li>• Calibration Certificate(1EA)</li> </ul>

### Optional Accessories

Function	Model Number	Spec.
Sensor data transmitter via Ethernet	RN171 WC	<ul style="list-style-type: none"> <li>• Supports cloud monitoring</li> <li>• Supports MODBUS TCP/HTTP data transmission</li> <li>• Power: PoE 48V, IEEE802.3af/at, DC6V, 1.9W</li> </ul>
Sensor data transmitter via WiFi	RN172 WC	<ul style="list-style-type: none"> <li>• Supports cloud monitoring</li> <li>• Supports MODBUS TCP/HTTP data transmission</li> <li>• Power: DC6V, 2.4W</li> </ul>