



Sentinel Next

Monitor environment, Use low power Wi-Fi

Sense locally, monitor remotely

Used in healthcare and food industry

Monitor with desktop or cloud services





Temperature Probe



T/RH connector



RTD: Ultra low temperature
(less than -30C)



Water (leak) Sensor

Technical Specifications

Sentinel Next Wireless Unit

<i>Dimensions (HxWxD):</i>	89mm x 60mm x 14mm (3.50" x 2.36" x 0.55")
<i>Weight:</i>	102g (3.60oz)
<i>Connectors:</i>	10-pin Sensor Connector; microUSB for Charging
<i>Battery:</i>	Integrated 1000mAh Li-Ion Battery
<i>Wi-Fi Protocols:</i>	IEEE 802.11b/g/n
<i>Wi-Fi Modes Supported:</i>	Wi-Fi Direct, Infrastructure, Remote
<i>Wi-Fi Encryption:</i>	WEP, WPA/WPA2 Personal
<i>On Board Data Storage</i>	1 Week with a Once/Minute Sampling Rate
<i>Operating Temperature:</i>	0°C to 40°C
<i>Non-operating Temperature:</i>	-30°C to 70°C
<i>Relative Humidity:</i>	10% to 90%
<i>Certifications:</i>	FCC, CE

Temperature Probe

<i>Probe Length & Diameter</i>	<i>Stainless probe: 25mm, ø 4mm (1", ø 0.16")</i>
<i>Cable Length</i>	<i>304cm (10 ft)</i>
<i>Measurement Range</i>	<i>-30°C to +150°C (-22°F to +302°F)</i>
<i>Accuracy</i>	<i>±0.2°C (±0.4°F) at 25°C (77°F)</i>
<i>Response Time (to reach 90%)</i>	<i>In water, with stirring: <10sec</i>
<i>Display Resolution</i>	<i>0.1°C, (0.1°F)</i>

RTD – Ultra Low Temperature Probe

<i>Probe Length & Diameter</i>	<i>Stainless probe: 25mm, ø 4mm (1", ø 0.16")</i>
<i>Cable Length</i>	<i>183cm (6 ft)</i>
<i>Measurement Range</i>	<i>-200°C to +150°C (-22°F to +302°F)</i>
<i>Accuracy</i>	<i>±0.2°C (±0.4°F) at 25°C (77°F)</i>
<i>Response Time (to reach 90%)</i>	<i>In water, with stirring: <10sec</i>
<i>Display Resolution</i>	<i>0.1°C, (0.1°F)</i>

Temperature and Relative Humidity Connector

<i>Temperature Measurement Range</i>	<i>-40°C to +125°C (-40°F to +257°F)</i>
<i>Accuracy</i>	<i>±0.3°C (±0.5°F)</i>
<i>Relative Humidity Range</i>	<i>0 to +100% RH</i>
<i>Response Time (to reach 66%)</i>	<i>5 to 30sec for T; 8sec for RH</i>
<i>Display Resolution</i>	<i>0.1°C, (0.1°F)</i>

Water (or leak) detection Probe

<i>Impedance range</i>	<i>0Ω to 2MΩ (Lower limit theoretical)</i>
<i>Voltage Applied</i>	<i>1.8V</i>
<i>Measurement Current</i>	<i><0.18mA</i>
<i>Hold Time</i>	<i>10ms</i>

Software

Use Sentinel Next APP from the Apple store to configure sensor

See software option document for details on: Cloud service vs Desktop vs Enterprise

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