

Aegis Monitoring

RTD-X-1 and RTD-X-2 Data sheet

This guide describes the physical and functional attributes of the Aegis Monitoring line of sensors.

RTD Probe for ultra-low freezers and liquid nitrogen chambers. Used in tissue and blood storage, pharmaceutical, and other healthcare applications.





RTD Probe

Technical Specifications

Sentinel Next Wireless Unit

Dimensions (HxWxD):	89mm x 60mm x 14mm (3.50" x 2.36" x 0.55")
Weight:	102g (3.60oz)
Connectors:	10-pin Sensor Connector; micro USB for Charging
Battery:	Integrated 1000mAh Rechargeable Li-Ion Battery
Optional LCD Display	31mm X 11mm LCD Display
Wi-Fi Protocols:	IEEE 802.11b/g/n
Wi-Fi Modes Supported:	Wi-Fi Direct, Infrastructure, Remote
Wi-Fi Encryption:	WEP, WPA/WPA2 Personal, PEAPv0, PEAPv1, EAP-TLS
On Board Data Storage	1 Week with a Once/Minute Sampling Rate
Operating Temperature:	0°C to 40°C
Non-operating Temperature:	-30°C to 70°C
Relative Humidity:	10% to 90%
Certifications:	FCC, CE

RTD – Ultra Low Temperature Probe

Probe Length & Diameter	Stainless probe: 25mm, \varnothing 4mm (1", \varnothing
Cable Length	183cm (6 ft)
Measurement Range	-198°C to +150°C (-324.4°F to +302°F)
Accuracy	$\pm 0.2^{\circ}\text{C}$ ($\pm 0.4^{\circ}\text{F}$) at 25°C (77°F)
Response Time (to reach 90%)	In water, with stirring: <10sec
Display Resolution	0.1°C, (0.1°F)

*Available in dual probe version.