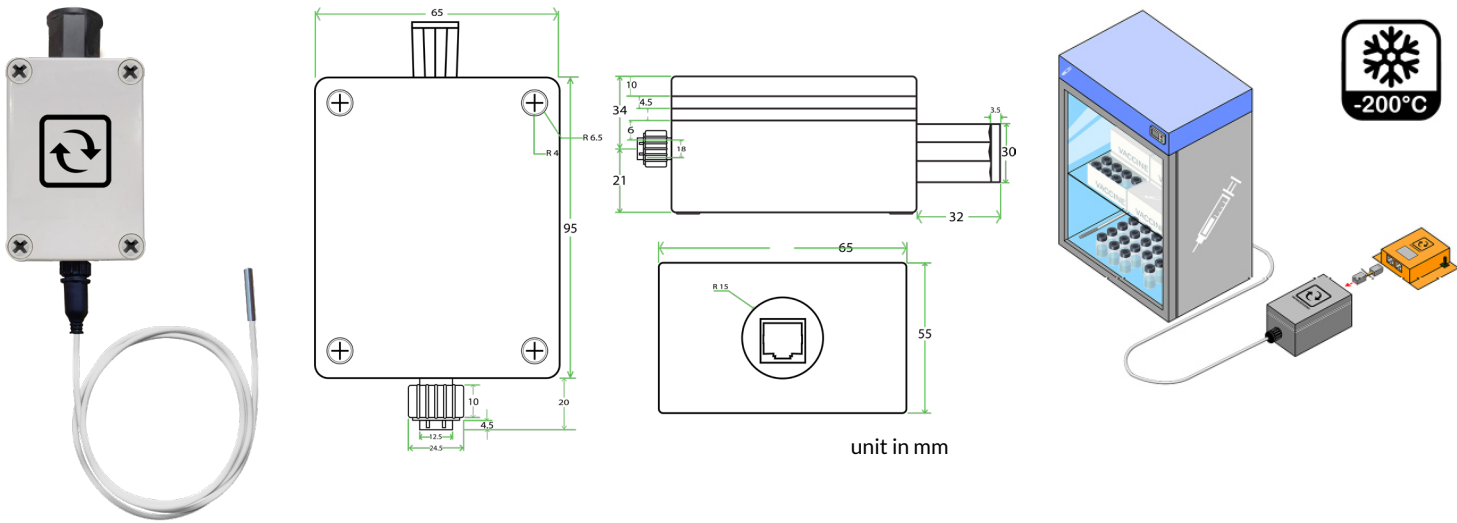




Extreme Low Temperature Sensor (ENV-TULTRA)



This sensor was designed to monitor temperature in applications where our traditional temperature sensors can't be used. With its IP66 rated enclosure and stainless steel protected platinum sensor head, this sensor can be used in extreme low temperature environments of up to -200°C(-328°F)

Sensor Metrics:

Temperature precision	±0.1°C (0.18 °F)
Temperature accuracy	±1°C (1.8°F)
Temperature reading	-50 °C to +260 °C (-58°F to +500°F)
Readings	Celsius or Fahrenheit

Technical Specifications:

Powered by and communicates with	Base Unit (BASE-XX) (required)
Connectivity	RJ45 cable transmitting data & power from Base Unit to Sensor
Cable specification	RJ45 CAT 6/7 recommended Up to 100m (330ft) subject to cable quality & interference
Sensor power usage	60mW
Protocol	Integrates over RS-485 using Modbus RTU with ICS. Requires optional add-on.

Environmental Specifications:

Operating temperature range for stainless steel sensor head and cable	-200°C to 75°C (-328°F to 167°F)
Operating temperature range for IP66 sensor box	4°C to 65°C (39°F to 148°F)
Humidity (operating and storage)	< 90% rH (non-condensating)

Physical Specifications:

Sensor enclosure	IP 66 rated enclosure
Mounting option	Wall, floor or ceiling mount
Dimensions	95 mm (3.7") x 65 mm (2.6") x 55 mm (2.2")
Weight	700g (0.150 lbs)