instruVU®
Visibility and Compliance with Confidence.

Extreme Temperature Sensor

The InstruVU Extreme Temperature Sensor is a professional-grade, wireless monitoring solution designed for high-precision temperature tracking in the harshest environments. Equipped with a platinum probe, this device handles everything from cryogenic storage to high-heat industrial ovens with exceptional stability.

Key applications include outdoor temperature monitoring, agriculture monitoring, ultra low temperature monitoring.

FEATURES

- Ultra-Wide Monitoring Range: Supports a massive temperature spectrum from -200°C to +800°C through specialized probe variants.
- Platinum Precision: Utilizes a 3-wire connection and a Class A platinum sensor to compensate for cable resistance, ensuring accurate and stable data.
- Weatherproof & Rugged: Features an IP67-rated enclosure that is UV-resistant and built to withstand vibration, making it ideal for outdoor and industrial use.
- Unmatched Battery Life: Powered by a high-capacity 19,000 mAh battery that can operate for up to 10 years without replacement.
- Edge Intelligence: Includes NFC for easy configuration via mobile app and internal data storage (up to 1,000 entries) to prevent data loss.
- Versatile Mounting: Supports pole, wall, or DIN rail mounting for flexible installation in any facility.

SPECIFICATIONS

Features:	
Detection Parameter:	RMS Temperature via external probe
Accuracy:	Typical ±0.5°C (Class A Accuracy)
Measurement Resolution:	0.1°C
Ultra Low Variant Range:	-200°C to +50°C
Standard Variant Range:	-50°C to +200°C
High Variant Range:	-50°C to +500°C
Ultra High Variant Range:	-50°C to +800°C
Power Supply:	19,000 mAh Li-SOCL2 battery (Replaceable)
Probe Options:	Straight tube, armored, threaded, magnet, or SMT
Cable Specs:	1.5m default (Customizable); Corrosion-resistant
Operating Temp (Device):	-30°C to +70°C

APPLICATIONS

Autoclave

Ultra Low Freezer

Cryogenic