



Ultra Low Temperature Transmitter

The InstruVU Ultra Low Temperature Transmitter is a professional-grade transmitter designed for high-precision environmental monitoring. This model is powered by a high-capacity 8500mAh non-rechargeable battery, which is engineered for long-term deployment lasting several years.

The device supports up to two monitoring channels using external PT100 probes and includes a built-in data log feature to store timestamped records.

For connectivity, it utilizes wireless long-range communication to securely uplink data to a central IoT server, offering high interference resistance and reliable remote tracking. Users can easily manage the system through Bluetooth configuration and wireless OTA updates, all housed within a rugged enclosure suitable for food safety, laboratories, and industrial applications.



FEATURES

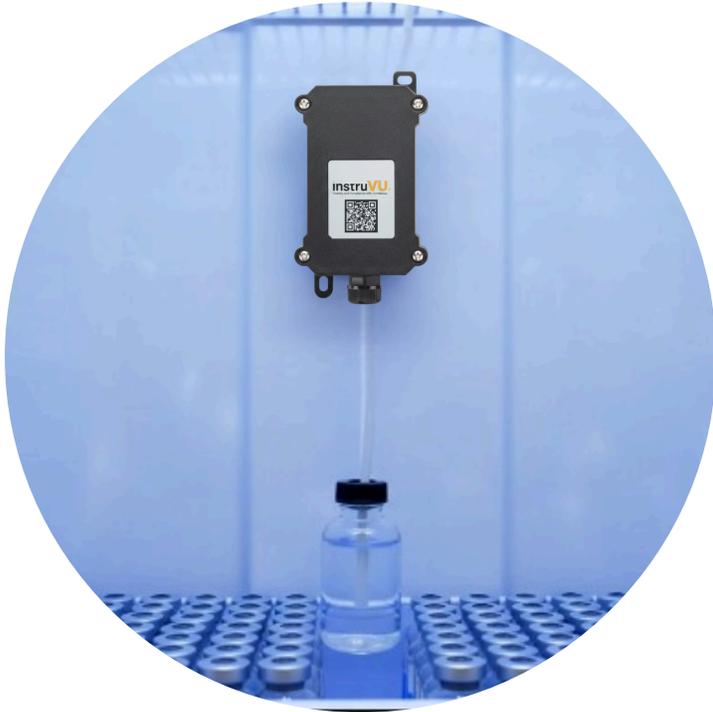
- Dual-Channel Monitoring: Supports up to two separate PT100 probes for simultaneous temperature tracking in different locations.
- Ultra-Long Battery Life: Powered by a high-capacity 8500mAh Li-SOCI2 battery designed to last 2–10 years depending on usage.
- Advanced Data Logging: Includes a datalog feature that stores temperature readings, which can then be retrieved remotely.
- User-Friendly Setup: Features Bluetooth v5.1 for easy local configuration and supports wireless OTA (Over-the-Air) firmware updates.
- Configurable Alarms: Allows users to set customized temperature thresholds for immediate automated notifications.
- Rugged Construction: Housed in a durable enclosure with an IP66 or IP68 protection level (depending on the probe) for industrial use.

SPECIFICATIONS

Battery Power:	8500mAh
Battery Type:	Li/SOCI2
Power Consumption:	Sleep Mode - 5uA @ 3.3v
	Transit Mode - 125mA @ 20dBm
	Transit Mode - 82mA @ 14dBm
Supply Voltage:	2.5v ~ 3.6v
Operating Temperature:	-40 ~ 85°C

APPLICATIONS

Vaccine



Laboratory



Food Safety

