

TT19EX REAL-TIME TEMP & RH DATA LOGGER

REAL-TIME DATA LOGGER



CE EN12830

Built-in vibration monitoring
Support change trend warning, vibration monitoring

Dual temperature sensors
Built-in sensor and external probe for wider temperature measuring range

High-accuracy position system
Support LBS, WiFi, GPS positioning and full trajectory dynamic playback

Automatic data generation
PDF report can be directly obtained via USB port connection, or downloaded via TZONE cloud platform remotely

Intuitive LCD indication
LCD presents all key information including signal status, alarm and running status, remaining battery volume

APPLICATIONS



Vaccine transportation



Blood transport



Pharmaceutical



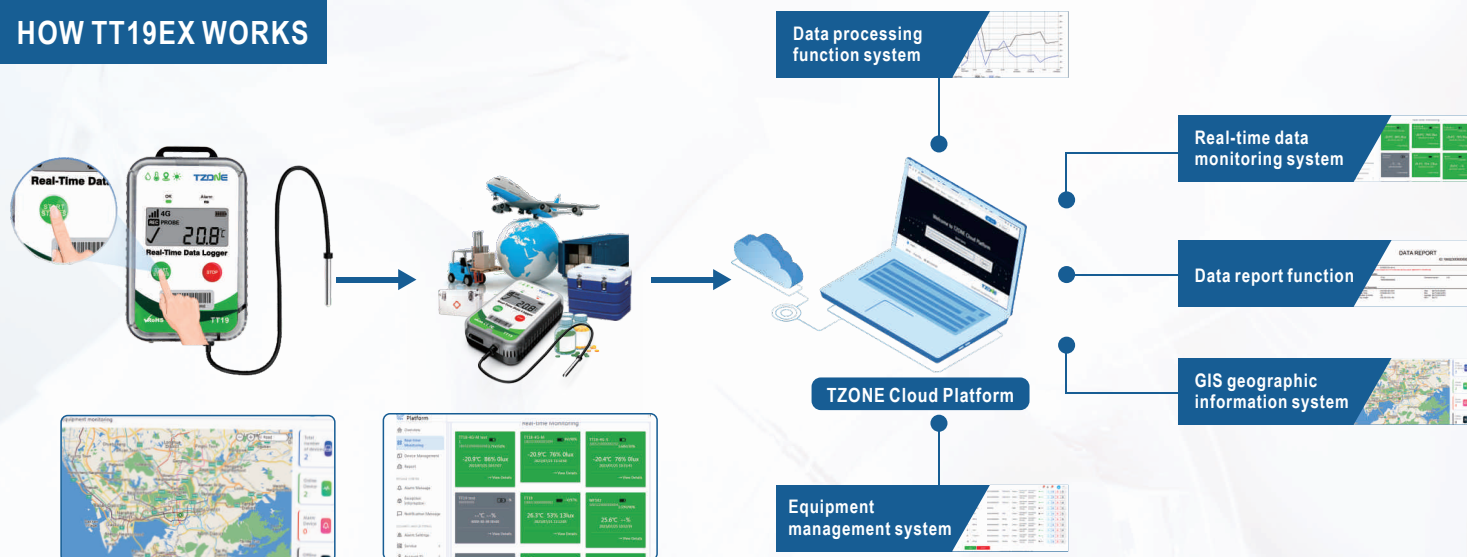
Fruit and vegetable transportation



Containerized shipment

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HOW TT19EX WORKS



SPECIFICATION

TT19EX

Dimensions	100 x 66 x 29mm
Weight	165g
Waterproof Level	IP64
Temperature And Humidity Sensor	External PT100 probe + built-in SHT30 temperature and humidity sensor
Temperature And Humidity Measuring Range	Probe temperature: -80 °C ~ +120 °C (-112°F ~ 248°F) Built-in temperature: -20 °C ~ +60 °C (-4°F ~ 140°F) Built-in humidity: 5%~95%RH
Temperature And Humidity Accuracy Range	Probe temperature: $\pm(0.15 + 0.2\% \cdot t)$ Built-in temperature: $\pm 0.3^{\circ}\text{C}$ ($0^{\circ}\text{C} \sim +60^{\circ}\text{C}$); $\pm 0.5^{\circ}\text{C}$ for other ranges Built-in humidity: $\pm 3\%$ ($10\% \sim 90\% \text{RH}$); $\pm 5\%$ for other range
Transmission Mode	Global LTE 4G/5G, fallback 2G network
Frequency Band	LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28/B66 LTE-TDD: B38/B39/B40/B41 GSM: 850/900/1800 /1900MHZ
Light Sensor Range	0-64000lux
Temperature Unit	°C/°F
Locate Mode	LBS positioning, WiFi positioning, GPS positioning
Usage Type	Multi use
Resolution	0.1
Battery	Built-in 3.7v/4000mAh Lithium
Battery Life	60 days (Default 1 hour interval)
Storage	17000 pieces

FEATURE

- Supports large-capacity local storage and data transfer after network connection. No data loss
- In line with FDA standards data statistics and analysis reports, location and trajectory, mobile applications procedures, etc., to provide complete quality traceability and systematic records
- Real-time temperature, humidity, vibration, light, position information to prevent and deal with the risk of temperature, fluctuations, low light detection, opening and closing doors, switching box events
- Real-time monitoring data changes, real-time alarm
- Rechargeable, can be used multiple times

