

4G Temperature Humidity Data Logger

Apresys Temperature Humidity Real Time Tracker stands out with its user-centric design and advanced sensing capabilities, starting with a large LCD display that presents critical data-including temperature, humidity, light levels, and shock status-with exceptional clarity for easy at-a-glance monitoring and seamless data transmission even in remote or variable network conditions



Features

- Large LCD display
- Global LTE 4G with 2G Network Backup
- Real-time alerts
- Temperature and Humidity
- Light sensor and Shock
- User Friendly
- True global connectivity
- Improved location accuracy
- Automated/Scheduled cloud reporting online authenticated user access

Specification

Model	Temperature Humidity Real Time Tracker 4G
Battery	Alkaline
In-use life	Up to 30 days (10-minute sampling reported at 60-minute intervals) Up to 60 days (10-minute sampling reported at 120-minute intervals)
Operating Range	-20 °C ~ + 70 °C (-4 °F ~ 158 °F) 0-100% RH
Data Capacity	26000 group
Cellular	Global LTE 4G with 2G Network Backup

Specification

Location accuracy	Cellular: 0.05 ~ 1.35miles (77 ~ 2178 meters)
Reporting intervals	10-minute sampling reported at 20-minute intervals
Recording intervals	Record Interval: 1/5/10/20/60min Report Interval: 10/20/30/60/120min
Temperature accuracy	$\pm 0.5^{\circ}\text{C}$ (Max.) from 0°C to 70°C $\pm 0.8^{\circ}\text{C}$ (Max.) from -20°C to 0°C
Humidity accuracy	$\pm 3.0\%\text{RH}$ (Max.) at $50\%\text{RH}$ $\pm 5.0\%\text{RH}$ (Max.) from $20\%\text{RH}$ to $80\%\text{RH}$
NIST calibrated sensor	Yes
Light Sensor	Sensor Light sensor sensitivity: $\pm 0.2\%$, Minimum detectable, 1 Lux
Accelerometer	Yes
USB Type C	Yes (download data report by Type C connection)
Oversight Dashboard	Obtain PDF reports via USB 2.0 / Apresys Cloud Platform / Apresys Track (Mobile App)
Shelf-life	Shipped with a minimum in-use and shelf life of approx. 6-months.
Size	110mm (4.33") x 60mm (2.36") x 33 mm (1.3")
Weight	175g (6.10 oz)
Certifications	FCC,CE,RTCA DO-160G,UN38.3,ROHS,WEEE
Apresys Cloud	www.apresyscloud.com

* Device battery life depends on configured recording and reporting intervals.

*Device Location Accuracy is the typical observed accuracy of our devices. Several factors may impact the device's geo location accuracy, such as number of visible cellular towers and viable Wi-Fi Access Points, updated geo location services, proper device placement inside shipments, and other environmental factors.

ACT Sensors reserves the right to make any change in this datasheet without notice. The information provided is believed to be accurate and reliable as of this product sheet.



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Your Engineering Partner...

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