

CELLSPY MONITOR

Data Sheet

The CellSPY Wireless Battery Monitors are designed to measure and continuously report the following parameters:

- DC voltage across the battery terminals
- AC ripple voltage
- Battery's ohmic value
- Temperature at negative battery post

The CellSPY monitor measures the battery's ohmic value of both metallic and chemical paths. Unlike other monitors on the market, which are consuming 10s and 100s of Amps during internal ohmic value measurements, Cell SPY Monitors "get the job done" using 1A of load current during a fraction of a second.

Thanks to its advanced DSP-based noise filtering, ultra-fast 24 bit ADCs and negligible current disipation, CellSPY is THE World's smallest and the most technologically advanced Wireless Battery Monitor in the market today.



OPERATING SPECIFICATIONS ARE LISTED BELOW

Wireless Communication:

Frequency ISM Band - 2.4GHz DSSS
 Range >30m
 (expandable with repeaters)
 RF approvals FCC, ETSI

Impedance Measurement

Range 0-65mΩ
 Resolution 1μΩ
 Accuracy Better than 3%
 (battery attached)

Key Attribute

CellSPY can measure a battery's ohmic value in a very noisy environment with negligible power disipation, making itself, almost "invisible" to the monitored battery.

Humidity:

10-99%, non-condensing

DC Voltage Measurement

Range 1V - 16V
 Resolution 1mV
 Accuracy 0.5%

Dimension & Weight:

2.5" x 1.6" x 0.5"
 (64mm x 41mm x 13mm)
 1.2oz (35g)

Operating Temp.:

-4°F to 158°F (-20°C to 70°C)

AC (Ripple) Voltage Measurement

Range up to 1000mV
 Resolution 1mV
 Accuracy 1%
 Max Freq 400Hz (no attenuation)

Storage Temp:

-40°F to 176°F (-40°C to 80°C)

Enclosure:

ABS

Temperature Measurement

Range -127 °C - 127°C,
 +/- 1°C resolution
 Resolution +/- 1°C
 Accuracy +/- 1°C

