

WIRELESS BATTERY MONITOR LITE






CellSPY Lite Wireless Battery Monitors (CSPY-400-L) are designed to measure and continuously report DC voltage across battery terminals and temperature at the negative battery posts.

Installation is very simple and does not require a special connector. The sensor is simply clamped on the battery post and begins working.

It is designed primarily for battery commissioning purposes. Measurements are sent to a cloud server via the onsite smartphone.

Different color lighting of the sensor indicates the state of sensor-server communication and measurement levels.

OPERATING SPECIFICATIONS

DC Voltage Measurement:	Range 1.2 V - 20 V Resolution 1 mV Accuracy 0.5 %
Temperature Measurement:	Range 0 °C - 80 °C Resolution +/- 1 °C Accuracy +/- 1 °C
Wireless Communication:	Frequency ISM Band - 2.4 GHz DSSS Range indoor > 50 m (expandable with repeaters)
Approvals:	  
Operating Temp.:	32 °F to 140 °F (0 °C to 60 °C)
Storage Temp.:	32 °F to 140 °F (0 °C to 60 °C)
Humidity:	5 - 85 %, non-condensing

Dimensions & Weight:	2.9" x 1" x 0.4" (74 mm x 26 mm x 11 mm) 2.2 oz (60 g)
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Enclosure:	Material: PC Degree of protection: IP40 IK code: IK08
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KEY ATTRIBUTE

CellSPY Lite is easy to install, it has visual alarming and measures battery Voltage and Temperature in a very noisy environment with negligible power dissipation, making itself, almost "invisible" to the monitored battery.

WIRELESS CURRENT TRANSDUCER



EMSYS's Unique Dual-Core Wireless Current Transducer (WCT-400-10-1000-30) provides accurate Load AND Charge DC current monitoring.

Thanks to its Dual-Core Technology, the Wireless Current Transducer measures DC current of 1A or 1000A with the same high accuracy.

It uses field proven Hall Effect based circuitry to provide a superior solution for DC applications, with minimal risk of permanent magnetization.

Its wide power supply range (12 - 60 VDC) allows it to be powered from almost any DC power source. Plug and Play installation, Non-Invasive Design and Wide Power Supply range are just a few of its key features.

OPERATING SPECIFICATIONS

DC Current Measurement: Range: 0 - 1000 A
 Resolution: 0.1 A
 Accuracy (up to 10 A): 1 % or better
 Accuracy (up to 1000 A): 1 % or better
 Linearity (full range): 1 % or better

Power Supply: Range: 12 - 60 VDC
 Power Disipation > 200 mW

Wireless Communication: Frequency ISM Band - 2.4 GHz DSSS
 Range indoor > 50 m
 (expandable with repeaters)

Approvals: 

Operating Temp.: 32 °F to 140 °F (0 °C to 60 °C)

Storage Temp: 32 °F to 140 °F (0 °C to 60 °C)

Humidity: 5 - 85 %, non-condensing

Dimensions & Weight: 2.9" x 1" x 3.1" (74 mm x 26 mm x 80 mm)
 10.2 oz (290 g)

Enclosure: Material: PC
 Degree of protection: IP40
 IK code: IK08

KEY ATTRIBUTE

A key attribute of the EMSYS Wireless Current Transducer is high accuracy and linearity of measurements across operating range.