

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" x3.1" (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.