

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 1 A or 800 A 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 - 800 A
Resolution: 0.1 A
Accuracy (up to 10 A): 1 % or better
Accuracy (up to 800 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: 

Maximum Load Cable Diameter: 30 mm

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

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

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 measurement range.