

NEW SPLIT-CORE AC CURRENT TRANSDUCER FOR ENERGY METERING AND AUTOMATION

By Nagene Kim

A new split core current transducer (CT) has been launched by J&D Electronics for advanced techniques for customers in the power and energy industries.



Precision split core CT by J&D Electronics

The transducer is designed for energy management, with a convenient connection to electronic submeters. It may also be applied for current measurement in a system of distributed power line carriers (PLCs) or remote controls such as SCADA software for automation and supervision.

Other applications include security and condition monitoring, load monitoring, in protection systems, and for predictive maintenance of conveyers, pumps or HVAC motors.

The CT is an all-in-one structure in a

small size, with the following features for improved productivity:

- Sensing aperture: 10/16/24/36 mm (for clamp-on type)
- Choice of primary current ranges: 5 - 500 A RMS
- Choice of standard output types: 4 - 20 mA, 0 - 5 V or 0 - 10 V
- Accuracy: <2% of nominal primary current
- Bandwidth: 50/60 Hz
- Output screw terminal structure.



High accuracy DC tolerant CT

J&D Electronics also supplies the JDT series of DC tolerant CTs for electronic Watt-hour meters compliant with IEC 62053-21, -23 and EN 50470-3.

Features of the JDT series CTs include:

- Standard choice of primary current ranges: 40 - 120 A
- Customised choice of primary current ranges: 5 - 400 A
- Choice of output type: Pin or Wire. MI



ABOUT THE AUTHOR: Nagene Kim is the International Sales Director of J&D Electronics.

ABOUT THE COMPANY: Since 1994, based on the premise of best quality and prompt development, J&D Electronics has been providing customers with solutions for current transformers for electronic Watt-hour meters, power and energy monitoring, and leakage current sensing, split-core current transformer and transducer, and a high accuracy metering current transformer.

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Why J&D?

Prompt

Accurate

Innovative

the Eligible
for current sensing solution point



J&D, the key for Metering

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