

Split-core Current Transformer

The split core current transformer design is used for energy efficiency monitoring and automation applications. These include sub-metering cost allocation, dynamic energy consumption and peak load analysis. The JC series of AC current transformers are a simple to use, compact split-core design which is easily installed for metering applications. They are ideal for distributed measurement systems and can be retro-fitted into existing installations and non-interruptible equipment as there is no requirement for disconnection and reconnection of wiring.

- Sensing aperture: Choice of 10/16/24/36 mm
- Choice of primary current ranges: 5-600 Arms
- Turns Ratio: 1/100~1/3000 (Standard Models)
- Turns Ratio: 1/4000~1/20000 (On request)
- Phase Angle Error: $+0.5\pm 0.5^{\circ}\sim +2.0\pm 1.0^{\circ}$
- Linearity Error: $\pm 1\%$



Split-core Current Transducer

The split core current transducer is designed for use in energy management with convenient connection to electronic metering and other devices. It may be applied for current measurement in a system of distributed power line carriers (PLCs) or in remote control systems via SCADA software for automation and supervision.

Other applications include security, condition monitoring, load monitoring, in protection systems and for predictive maintenance of conveyers, pumps or HVAC motors. The CT is an all-in-one compact arrangement with the following features for improving productivity:

- Sensing aperture: Choice of 10/16/24/36 mm
- Choice of primary current ranges: 5-500 Arms
- Choice of standard output types: 4-20 mA, 0-5 V or 0-10 V
- Accuracy: $<2\%$ of primary current.



Current Transformer for Electronic Watt-hour Meter

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:

- Choice of primary current ranges: 40-120 Arms (Standard Models)
- Choice of primary current ranges: 5-400 Arms (On request)
- Choice of shielded type (On request)



Since 1994, J&D has been manufacturing Current Transformers, the core component of power instrument industry. J&D has been acknowledged through customer satisfaction as the industry leader of specialized enterprises offering a prompt, accurate, innovative product development and manufacturing system.



High Quality Sensing

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