

Split-Core Current Transformer with 333mV Output



Flexible Split-core Current Measurement

The PLANET CT Series split-core current transformers are designed for fast and convenient AC current measurement without disconnecting existing conductors during installation. Available with rated current options from **60A to 600A** and a standard **333mV AC output**, the series provides **0.5% full-scale accuracy** and is compatible with PLANET smart power meters featuring a 333mV CT input. Its split-core construction simplifies installation in existing electrical panels, making it suitable for energy monitoring, power management, building automation and electrical equipment applications.

- **Split-core design** for fast and convenient installation around existing conductors
- Standard **333mV AC output** for compatible PLANET smart power meters
- Rated current options of **60A, 100A, 200A, 400A and 600A**
- **0.5% full-scale accuracy** for reliable AC current measurement
- Supports operating voltages of up to **720V AC**
- Suitable for **energy monitoring, power management and building automation**

Applications

Applying Split-core Current Transformers to Smart Power Meters

The PLANET CT Series split-core current transformers can be connected to PLANET smart power meters with a **333mV CT input**, including the SPM-D01-M and SPM-D05/D10 Series. Their split-core design allows the sensor to be installed around an existing conductor without disconnecting the cable, simplifying installation in electrical panels and retrofit projects. With rated current options of **60A, 100A, 200A, 400A and 600A**, the series supports current measurement for various electrical loads in energy monitoring, power management and building automation applications.

Specifications

Model	CT-60A-16		CT-100A-16	CT-200A-24	CT-400A-35	CT-600A-35
Hardware Specifications						
Sensor Type	Split-core Current Transformer					
Primary Rated Current	60A	100A	200A	400A	600A	
Secondary Rated Output	333mV AC					
Accuracy	0.5% F.S.					
Phase Linear Error	<=30 minutes					
Operating Voltage	<=720V AC					
Frequency Range	50Hz to 1kHz					
Opening Diameter	16mm	16mm	24mm	35mm	35mm	
Lead Length	2m					
Cable	AWM1015, 22AWG (0.34mm2), black-and-white twisted pair					
Output Lead Wiring	S1 (white): K terminal; S2 (black): L terminal					
Dimensions (W x D x H)	33.9 x 37.8 x 49.0mm			40.2 x 53.3 x 69.9mm	42.8 x 67.0 x 83.1mm	
Weight	100g			205g	375g	
Case Material	Nylon, Resin 94-V0					
Environmental Specifications						
Operating Temperature	-15 to 50 degrees C					
Safety and Regulatory Compliance						
Insulation Resistance	100MOhm at 500V DC					
Dielectric Strength	4000V AC for 10 seconds					
Regulatory Compliance	CE					

Ordering Information

CT-60A-16	60A Split-Core Current Transformer with 333mV Output
CT-100A-16	100A Split-Core Current Transformer with 333mV Output
CT-200A-24	200A Split-Core Current Transformer with 333mV Output
CT-400A-35	400A Split-Core Current Transformer with 333mV Output
CT-600A-35	600A Split-Core Current Transformer with 333mV Output

Related Products

SPM-D01-R	DIN-rail Single-circuit Modbus Smart Power Meter with Rogowski Coil Input
SPM-D01-M	DIN-rail Single-circuit Modbus Smart Power Meter with 333mV CT Input
SPM-D05	DIN-rail 5-circuit Modbus Smart Power Meter
SPM-D05E	DIN-rail 5-circuit Modbus RTU/TCP Smart Power Meter
SPM-D10	DIN-rail 10-circuit Modbus Smart Power Meter
SPM-D10E	DIN-rail 10-circuit Modbus RTU/TCP Smart Power Meter
RC-300A-395	300A Rogowski Coil Current Sensor with 333mV Output
RC-500A-395	500A Rogowski Coil Current Sensor with 333mV Output
RC-800A-525	800A Rogowski Coil Current Sensor with 333mV Output
RC-1000A-525	1000A Rogowski Coil Current Sensor with 333mV Output
RC-1500A-525	1500A Rogowski Coil Current Sensor with 333mV Output
RC-2000A-525	2000A Rogowski Coil Current Sensor with 333mV Output
RC-3000A-525	3000A Rogowski Coil Current Sensor with 333mV Output

PLANET Technology Corporation

11F., No.96, Minquan Rd., Xindian Dist., New Taipei City 231,
Taiwan (R.O.C.)

Tel: 886-2-2219-9518

Email: sales@planet.com.tw

Fax: 886-2-2219-9528

www.planet.com.tw



PLANET reserves the right to change specifications without prior notice. All brand names and trademarks are property of their respective owners. Copyright © 2026 PLANET Technology Corp. All rights reserved.

CT Series