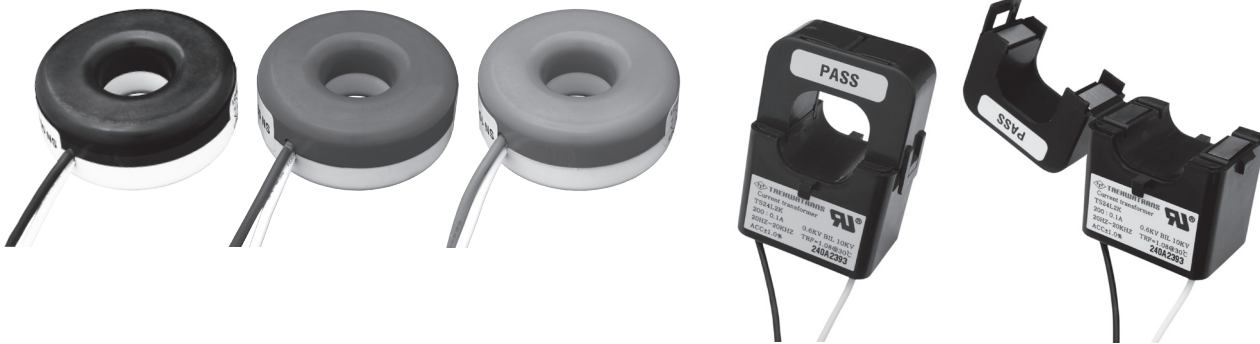


Current Transformers

Sub-Metering Solutions for Accurate Measurement & Verification



DEFINITION

Leviton Current Transformers (CTs) support our full line of revenue-grade meters and help meet all measurement and verification-based opportunities — including smart metering, load management and LEED rating achievement. Designed as part of a simple and effective process for accurately capturing measurements of power consumption CTs are easy to specify and install for new construction and retrofits.

The better the equipment, the better the measurement. Leviton meters utilize highly accurate current transformers for revenue-grade performance certified to ANSI standards. Competing products use current sensors that do not provide the same level of performance. CTs come as solid core standard for high-quality, long-term accuracy and reliability. Leviton also offers split core CTs, hinged on one side for easy installation.

SOLID CORE

Standard solid core CTs look like ring-shaped devices that slip over power lines to measure the electrical current flowing through the line. The CT “secondary” wires connect to the meter, facilitating power and energy calculations. They are compact and cost effective. Solid core CTs are accurate (0.3% maximum error), and less susceptible to damage during installation. For installation, power must be de-energized and the circuit opened, in order to slip the CT over the power line. After installation the power wire must be reconnected to close the electrical circuit. Installation is quick — saving time and money.

SPLIT CORE

Split core CTs can be disassembled, or ‘split’ into halves, eliminating the need to turn power off and open the circuit during installation. This time-saving installation is ideal for critical loads that cannot be disconnected. Split core CTs are machined for zero gaps between the core halves. They snap shut securely for fast, precise installation with no need for time-consuming tie wraps and no worries about improper seating or core half separation.

APPLICATIONS

Use Current Transformers in commercial, institutional, industrial and government applications to support:

- Load profiling and benchmarking
- BAS integration
- Power quality analysis
- Usage aggregation
- Tenant cost allocation
- Measurement and verification
- Net Metering
- Energy conservation and cost reduction
- Green building initiatives and Government mandates



Leviton Mfg. Co., Inc. Lighting & Energy Solutions

PRODUCT DATA



ORDERING INFORMATION

NOTE: Meters sold separately.

IMS P/N	LEVITON P/N	DESCRIPTION	FOR USE WITH ANY
CT Kit 3	CDA02-212	CT Kit, 200:0.1A, 0.72", Red, Black	200 Amp Meter
CT Kit 4	CDA02-312	CT Kit, 200:0.1A, 0.72", Blue, Red, Black	200 Amp Meter
CT Kit 5	CDE01-211	CT Kit, 100:0.1A, 0.67", Red, Black	100 Amp Meter
CT Kit 6	CDE01-311	CT Kit, 100:0.1A, 0.67", Blue, Red, Black	100 Amp Meter
CT Kit 7	CDE02-211	CT Kit, 200:0.1A, 0.67", Red, Black	200 Amp Meter
CT Kit 8	CDE02-311	CT Kit, 200:0.1A, 0.67", Blue, Red, Black	200 Amp Meter
CT100148BKS0-0.67	CDE01-K11	100:0.1A, Solid Core, 0.67", Black	100 Amp Meter
CT100148BLS0-0.67	CDE01-L11	100:0.1A, Solid Core, 0.67", Blue	100 Amp Meter
CT100148RDS0-0.67	CDE01-R11	100:0.1A, Solid Core, 0.67", Red	100 Amp Meter
CT100148SP-095	CTD01-K16	100:0.1A, Split Core, .94 x .94"	100 Amp Meter
CT200148BKS0-0.67	CDE02-K11	200:0.1A, Solid Core, 0.67", Black	200 Amp Meter
CT200148BKS0-0.72	CDE02-K12	200:0.1A, Solid Core, 0.72", Black	200 Amp Meter
CT200148BLS0-0.67	CDE02-L11	200:0.1A, Solid Core, 0.67", Blue	200 Amp Meter
CT200148BLS0-0.72	CDA02-L12	200:0.1A, Solid Core, 0.72", Blue	200 Amp Meter
CT200148RDS0-0.67	CDE02-R11	200:0.1A, Solid Core, 0.67", Red	200 Amp Meter
CT200148RDS0-0.72	CDA02-R12	200:0.1A, Solid Core, 0.72", Red	200 Amp Meter
CT200148SP-095	CTD02-K16	200:0.1A, Split Core, .94 x .94"	200 Amp Meter
CT400148SO-1.5	CDF04-K24	400:0.1A, Solid Core, 1.5"	400 Amp Meter
CT400148SO-2.25	CDF04-K36	400:0.1A, Solid Core, 2.25"	400 Amp Meter
CT400148SO-3.5	CDF04-K56	400:0.1A, Solid Core, 3.5"	400 Amp Meter
CT400148SP-142	CTD04-K23	400:0.1A, Split Core, 1.4 x 1.4"	400 Amp Meter
CT600148SO-1.5	CF06-K24	600:0.1A, Solid Core, 1.5"	600 Amp Meter
CT600148SO-2.25	CF06-K36	600:0.1A, Solid Core, 2.25"	600 Amp Meter
CT600148SP-S33	CTC06-K46	600:0.1A, Split Core, 2.75 x 3.5"	600 Amp Meter
CT800148SO-1.5	CF08-K24	800:0.1A, Solid Core, 1.5"	800 Amp Meter
CT800148SO-2.25	CF08-K36	800:0.1A, Solid Core, 2.25"	800 Amp Meter
CT800148SO-3.5	CF08-K56	800:0.1A, Solid Core, 3.5"	800 Amp Meter
CT800148SP-S33	CTC08-K46	800:0.1A, Split Core, 2.75 x 3.5"	800 Amp Meter
CT1200148SO-3.5	CF12-K56	1200:0.1A, Solid Core, 3.5"	1200 Amp Meter
CT1200148SP-S36	CTC12-K65	1200:0.1A, Split Core, 6.5 x 3.5"	1200 Amp Meter
CT1200148SP-S57	CTC12-K99	1200:0.1A, Split Core, 5 x 7"	1200 Amp Meter
CT1600148SP-S46	CTC16-K96	1600:0.1A, Split Core, 4 x 6"	1600 Amp Meter
CT2000148SP-S46	CTC20-K96	2000:0.1A, Split Core, 4 x 6"	2000 Amp Meter
CT2500148SP-S46	CTC25-K96	2500:0.1A, Split Core, 4 x 6"	2500 Amp Meter

The following products are also part of the Leviton line of integrated metering solutions:

- Series 1000 Meters
- Series 2000 Meters
- Series 3000 Smart Meters
- Mini Meters
- Multiple Meter Units (MMUs)
- EM Pro Energy Allocation Systems

Leviton recommends solid core transformers (CTs) for revenue-grade billing. Our 100A and 200A color coded CTs assist with correct installation by indicating phase monitored. Split core CTs are also available upon request for applications where power cannot be interrupted during installation. Our 100-1200 Amp Split Core CTs offer +/-1% accuracy.

Current Transformers

Connect With Leviton

Integrated Metering Systems (IMS), a leading manufacturer of revenue-grade sub-metering solutions for 20 years is now part of Leviton's complete line of lighting and energy management solutions. A complementary addition to Leviton's current line, we offer solutions to meet all measurement and verification based opportunities such as smart metering, load management and LEED rating achievement. With the addition of sub-metering, Leviton offers a total solution package for all lighting control, measurement and verification needs for commercial applications. Our new sub-metering products have the same world class service and support that that Leviton has been providing for over 100 years.

LEVITON SPECIFICATION SUBMITTAL

JOB NAME:	CATALOG NUMBERS:
JOB NUMBER:	

Leviton Manufacturing Co., Inc. Lighting & Energy Solutions

20497 SW Teton Avenue, Tualatin, OR 97062
 Telephone: 1-800-736-6682 • FAX: 503-404-5594 • Tech Line (6:00AM-4:00PM P.S.T. Monday-Friday): 1-800-959-6004

Leviton Manufacturing of Canada, Ltd.

165 Hymus Boulevard, Pointe Claire, Quebec H9R 1E9 • Telephone: 1-800-469-7890 • FAX: 1-800-563-1853

Leviton S. de R.L. de C.V.

Lago Tana 43, Mexico DF, Mexico CP 11290 • Tel. (+52) 55-5082-1040 • FAX: (+52) 5386-1797 • www.leviton.com.mx

Visit our Website at: www.leviton.com/les

© 2011 Leviton Manufacturing Co., Inc. All rights reserved. Subject to change without notice.

