

Series 3000 Advanced kWh Meter Kits

Submetering Solutions for Accurate Measurement & Verification



- kWh meter with Demand Reset (standard)
- 120/208V, 277/480V, 347/600V 3 PH 4 W WYE; 208V, 240V 480V 3 PH 3 W DELTA
- 100-5000 Amps
- Advanced data meter
- Volt, amps, watts, PF and VA per phase
- ModBus RTU (RS485) and Pulse output - standard features
- Kit includes submeter and required Current Transformers (CTs)

DEFINITION

The Leviton Series 3000 line of revenue-grade meters meets all measurement and verification-based opportunities — including smart metering and LEED rating achievement. Designed to provide a simple and effective process for accurately capturing measurements of power consumption, Series 3000 Meters are easy to specify and install for new construction and retrofits.

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 solid core CTs are cost effective and less susceptible to damage during installation. Leviton also offers split core CTs for easy installation and machined for zero gaps between the core halves. Leviton split core CTs close securely for fast, precise installation with no need for time-consuming tie wraps and no worries about improper seating or core half separation. Both solid and split core CTs offer high-quality, long-term accuracy and reliability.

Every Series 3000 Meter has a user-friendly feedback feature. They also have an energy-direction arrow (per phase energy and total energy) in the display that tells the installer or user if the meter is installed correctly. For installers, the green duty cycle light shows that the meter is collecting electrical consumption data at the appropriate rate. All 100 and 200 Amp solid core CTs have color-coded labels to easily identify and correctly land the wires at the meter.

APPLICATIONS

Use Series 3000 Meters in commercial, institutional, industrial and government applications for:

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

PRODUCT DATA

FEATURES

- Measures kWh and peak demand, instantaneous power, volts, amps, watts, VAR and VA per phase
- Conforms to all applicable standards of ANSI C12.1
- Equipped with an Isolated Pulse Output channel and ModBus RTU (RS485) for automated meter reading system interface
- ModBus RTU registers include:
 - Total Meter
 - kWh and kVARh
 - kWh, kVAR and kVA
 - Power Factor
 - Line Frequency
 - By Phase
 - Volts (Line to Neutral and Line to Line)
 - kWh, kVAR and kVA
 - Amps
 - Power Factor
- Onboard real-time clock can be synchronized remotely, and includes battery backup for power failures
- Utilizes revenue-grade 0.3% accuracy class 0.1A secondary solid core current transformers (CTs) that conform to all applicable ANSI requirements or 1% accuracy split core CTs
- Up to three sets of CTs per phase can be paralleled per meter without the need for a meter multiplier
- Enclosure options include surface mount industrial grade JIC steel (indoor) and NEMA 4X (outdoor)
- Large custom LCD display with scroll button
- Arrows on the custom display indicate load direction; the arrows flash when load current is greater than zero
- CT lead length maximum: 48"
- UL and cUL Listed Energy Usage Monitor per CCN FTRZ
- Ten year warranty

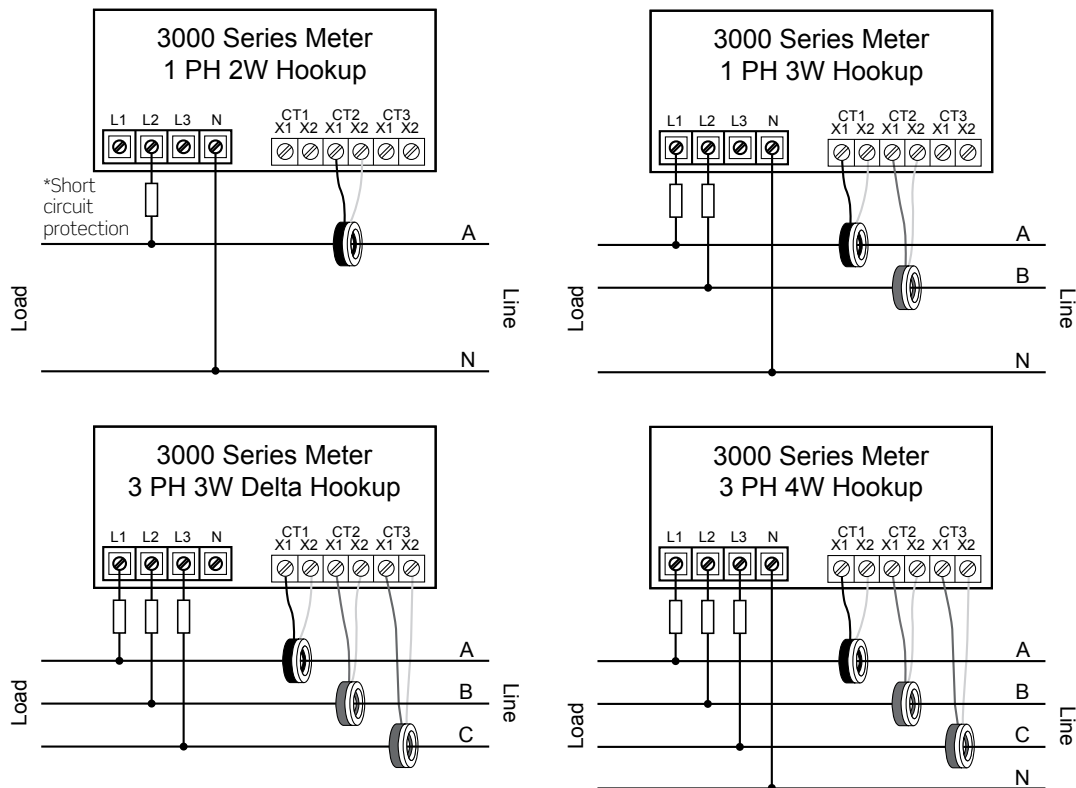
CONFIGURATIONS

AMPERAGES	PHASE/VOLTAGES
100-5000A	1Ø/2W - 120V or 277V
100-5000A	1Ø/3W - 120/208/240V or 277/480V
100-5000A	3Ø/3W - 240V or 480V
100-5000A	3Ø/4W - 120/208V or 277/480V or 347/600V*

NOTE: All meters operate at 50/60Hz.

* For Canadian use only.

HOOKUP DIAGRAMS



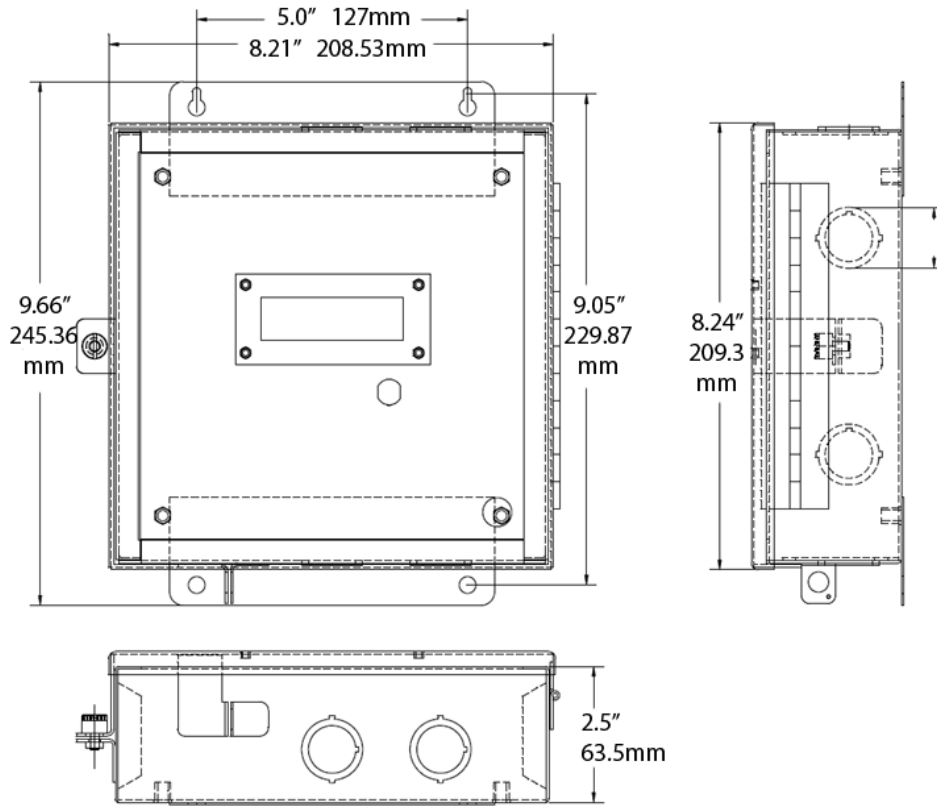
Leviton recommends solid core transformers (CTs) for revenue-grade billing. Our 100A and 200A color coded CTs assist with correct installation by indicating phase monitored. Split core CTs are also available upon request for applications where power cannot be interrupted during installation. Our 100-5000 Amp Split Core CTs offer +/-1% accuracy.

*Short circuit protection per NEC and local codes by others

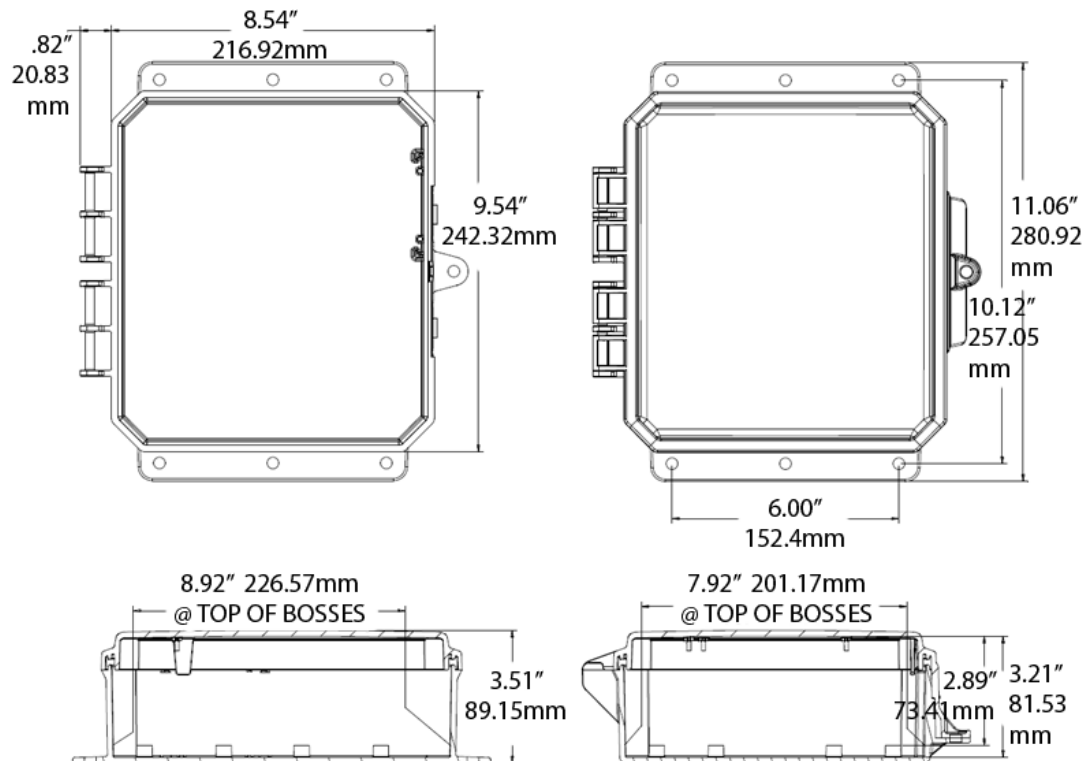
PRODUCT DATA

DIMENSIONS

SERIES 3000 INDOOR ENCLOSURE



SERIES 3000 OUTDOOR ENCLOSURE



ORDERING INFORMATION

Series 3000 Advanced kWh Meter Kits - Indoor Enclosure

NOTE: All kits include meter, specified enclosure and Current Transformers (CTs)

Voltage	Amps	CTs Included	Leviton P/N
120/208V 3PH 4W WYE	100	3 Split CTs	3K208-01D
	200	3 Split CTs	3K208-02D
	400	3 Split CTs	3K208-04D
	800	3 Split CTs	3K208-08D
	1600	3 Split CTs	3K208-16D
	3000	3 Split CTs	3K208-30D
	5000	3 Split CTs	3K208-50D
	100	3 SOLID CTs	3K208-1SD
	200	3 SOLID CTs	3K208-2SD
277/480V 3PH 4W WYE	100	3 Split CTs	3K480-01D
	200	3 Split CTs	3K480-02D
	400	3 Split CTs	3K480-04D
	800	3 Split CTs	3K480-08D
	1600	3 Split CTs	3K480-12D
	3000	3 Split CTs	3K480-30D
	5000	3 Split CTs	3K480-50D
	100	3 SOLID CTs	3K480-1SD
	200	3 SOLID CTs	3K480-2SD
347/600V 3PH 4W WYE	100	3 Split CTs	3K600-01D
	200	3 Split CTs	3K600-02D
	400	3 Split CTs	3K600-04D
	800	3 Split CTs	3K600-08D
	1600	3 Split CTs	3K600-16W
	3000	3 Split CTs	3K600-30D
	5000	3 Split CTs	3K600-50D
	100	3 SOLID CTs	3K600-1SD
	200	3 SOLID CTs	3K600-2SD
208 or 240V 3PH 3W DELTA	100	3 Split CTs	3K24D-01D
	200	3 Split CTs	3K24D-02D
	400	3 Split CTs	3K24D-04D
	800	3 Split CTs	3K24D-08D
	1600	3 Split CTs	3K24D-16D
	3000	3 Split CTs	3K24D-30D
	5000	3 Split CTs	3K24D-50D
	480V 3PH 3W DELTA	100	3 Split CTs
200		3 Split CTs	3K48D-02D
400		3 Split CTs	3K48D-04D
800		3 Split CTs	3K48D-08D
1600		3 Split CTs	3K48D-12D
3000		3 Split CTs	3K48D-30D
5000		3 Split CTs	3K48D-50D

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

- Series 1000 Meters
- Series 2000 Meters
- Mini Meters
- Multiple Meter Units (MMUs)
- Current Transformers (CTs)
- Energy Monitoring Software and Hardware

NOTE: Individual submeters are available, please consult factory for availability. Individual Current Transformers (CTs) are also available; see the Current Transformer data sheet documentation for part numbers and additional information.

Series 3000 Advanced kWh Meter Kits - Outdoor Enclosure

Voltage	Amps	CTs Included	Leviton P/N
120/208V 3PH 4W WYE	100	3 Split CTs	30208-01D
	200	3 Split CTs	30208-02D
	400	3 Split CTs	30208-04D
	800	3 Split CTs	30208-08D
	1600	3 Split CTs	30208-16D
	3000	3 Split CTs	30208-30D
	5000	3 Split CTs	30208-50D
277/480V 3PH 4W WYE	100	3 Split CTs	30480-01D
	200	3 Split CTs	30480-02D
	400	3 Split CTs	30480-04D
	800	3 Split CTs	30480-08D
	1600	3 Split CTs	30480-12D
	3000	3 Split CTs	30480-30D
	5000	3 Split CTs	30480-50D
347/600V 3PH 4W WYE	100	3 Split CTs	30600-01D
	200	3 Split CTs	30600-02D
	400	3 Split CTs	30600-04D
	800	3 Split CTs	30600-08D
	1600	3 Split CTs	30600-16D
	3000	3 Split CTs	30600-30D
	5000	3 Split CTs	30600-50D
208 or 240V 3PH 4W DELTA	100	3 Split CTs	3024D-01D
	200	3 Split CTs	3024D-02D
	400	3 Split CTs	3024D-04D
	800	3 Split CTs	3024D-08D
	1600	3 Split CTs	3024D-12D
	3000	3 Split CTs	3024D-30D
	5000	3 Split CTs	3024D-50D
480V 3PH 3W DELTA	100	3 Split CTs	3048D-01D
	200	3 Split CTs	3048D-02D
	400	3 Split CTs	3048D-04D
	800	3 Split CTs	3048D-08D
	1600	3 Split CTs	3048D-16D
	3000	3 Split CTs	3048D-30D
	5000	3 Split CTs	3048D-50D

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LEVITON SPECIFICATION SUBMITTAL

JOB NAME:	CATALOG NUMBERS:
JOB NUMBER:	

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