

# Series 2000 Three Phase Meters

## Sub-Metering Solutions for Accurate Measurement & Verification



Indoor



Outdoor

### DEFINITION

The Leviton Series 2000 line of revenue-grade meters meets all measurement and verification-based opportunities - including load management and LEED rating achievement. Designed to provide a simple and effective process for accurately capturing measurements of power consumption, Series 2000 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. They are less susceptible to damage during installation and are cost effective. Leviton also offers split core CTs, hinged on one side for easy installation and 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.

Every Series 2000 Meter has a user-friendly feedback feature. Exclusive red reverse phase LED warning light illuminates if a meter is improperly installed. After installation, 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.

## PRODUCT DATA

### APPLICATIONS

Use Series 2000 Meters in commercial, institutional, industrial and government applications for:

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

### FEATURES

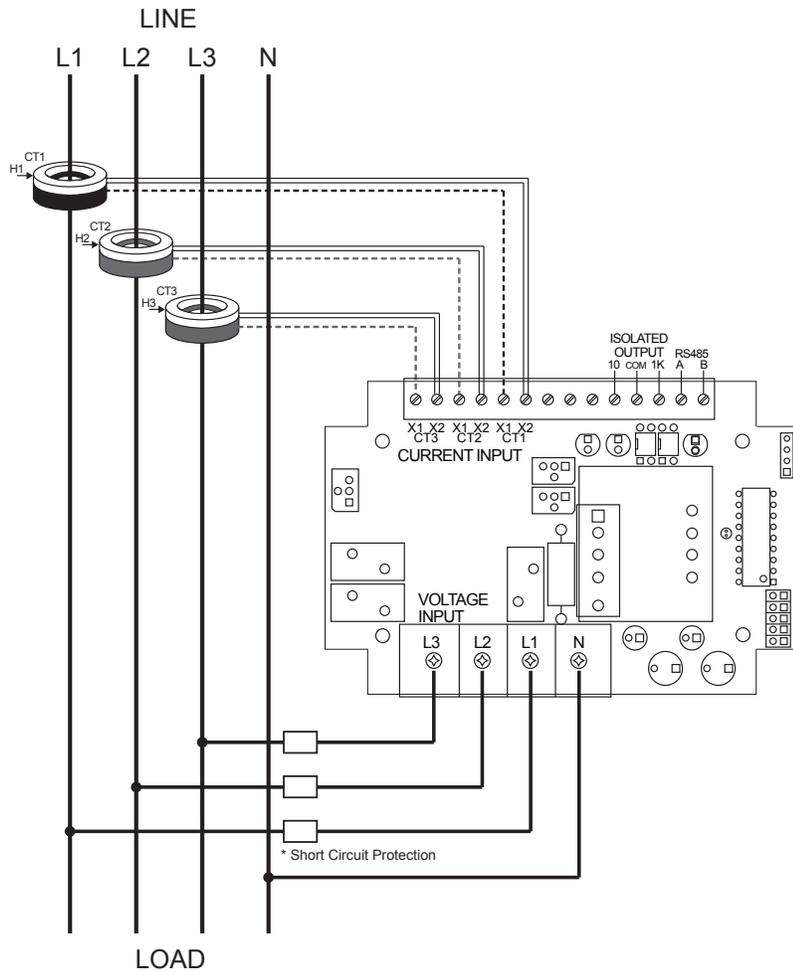
- Measures kWh and demand (optional)
- Certified to all applicable standards of ANSI C12.1 and ANSI C12.20 (0.5) Codes for Electricity Metering
- Equipped with an Isolated Pulse Output channel and an RS-485 serial data port for automated meter reading system interface
- Utilizes revenue-grade 0.3 accuracy 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
- Enclosures include flush mount industrial grade JIC steel indoor and NEMA 4X outdoor, or installed in industrial grade JIC steel multiple meter unit (MMU) indoor packages with 2 to 16 units
- Interfaces with numerous communication systems – Hardwired Automatic Meter Reading (AMR) or wireless AMR
- Large LCD display shows kWh and instantaneous and peak demand (optionally) with manual keyed reset
- Load Indicator LED verifies meter functionality
- Exclusive Reverse Phase Indicator LED illuminates if the meter is improperly installed
- UL/CUL Listed for UL-916 Energy Monitoring Equipment
- Ten year warranty

### CONFIGURATIONS\*

AMPERAGES	PHASE/VOLTAGES
100-1200A	3Ø/4W - 120/208/240V
100-1200A	3Ø/4W - 277/480V

\* Contact factory for non-US voltage configurations.

**THREE ELEMENT SERIES 2000 HOOKUP DIAGRAM**



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.

# PRODUCT DATA



## ORDERING INFORMATION

### Series 2000 Three Phase Meters

**NOTE:** Current Transformers (CTs) sold separately - see Current Transformers product data sheet for ordering information

LEVITON P/N*	DESCRIPTION
<b>INDOOR THREE ELEMENT METER, 3PH 4W</b>	
2N208-xxx	120/208V
2N480-xxx	277/480V
<b>OUTDOOR THREE ELEMENT METER, 3PH 4W</b>	
2R208-xxx	120/208V
2R480-xxx	277/480V

\* When ordering a Series 2000 Meter, replace xxx with the following to indicate amperage ratings:

- 011: 100:0.1A, Max 100A
- 021: 200:0.1A, Max 200A
- 041: 400:0.1A, Max 400A
- 061: 600:0.1A, Max 600A
- 081: 800:0.1A, Max 800A
- 121: 1200:0.1A, Max 1200A
- Demand Option (for indoor models only): replace the last digit in the suffix with a "D"

### Series 2000 Three Phase Meter Kits

**NOTE:** Current Transformers (CTs) included

LEVITON P/N	DESCRIPTION
<b>INDOOR THREE ELEMENT METER, 3PH 4W, 120/208V, with 3 CTs each</b>	
2N208-T11	100A; CTs included (CTD01-K16) - 100:0.1A, Split Core .94 x .94"
2N208-T1D	Demand Option, 100A; CTs included (CTD01-K16) - 100:0.1A, Split Core .94 x .94"
2N208-T21	200A; CTs included (CTD02-K16) - 200:0.1A, Split Core .94 x .94"
2N208-T2D	Demand Option, 200A; CTs included (CTD02-K16) - 200:0.1A, Split Core .94 x .94"
2N208-T41	400A; CTs included (CTD04-K23) - 400:0.1A, Split Core 1.4 x 1.4"
2N208-T4D	Demand Option, 400A; CTs included (CTD04-K23) - 400:0.1A, Split Core 1.4 x 1.4"
<b>INDOOR THREE ELEMENT METER, 3PH 4W, 277/480V, with 3 CTs each</b>	
2N480-T11	100A; CTs included (CTD01-K16) - 100:0.1A, Split Core .94 x .94"
2N480-T1D	Demand Option, 100A; CTs included (CTD01-K16) - 100:0.1A, Split Core .94 x .94"
2N480-T21	200A; CTs included (CTD02-K16) - 200:0.1A, Split Core .94 x .94"
2N480-T2D	Demand Option, 200A; CTs included (CTD02-K16) - 200:0.1A, Split Core .94 x .94"
2N480-T41	400A; CTs included (CTD04-K23) - 400:0.1A, Split Core 1.4 x 1.4"
2N480-T4D	Demand Option, 400A; CTs included (CTD04-K23) - 400:0.1A, Split Core 1.4 x 1.4"

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

- Series 3000 Smart Meters
- Mini Meters
- Multiple Meter Units (MMUs)
- Current Transformers
- Energy Manager Monitoring Software

## LEVITON SPECIFICATION SUBMITTAL

JOB NAME:	CATALOG NUMBERS:
JOB NUMBER:	

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