

# Series 1000 Single Phase Meters

## Sub-Metering Solutions for Accurate Measurement & Verification



Indoor



Outdoor

### DEFINITION

The Leviton Series 1000 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 1000 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 1000 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 the 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 1000 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

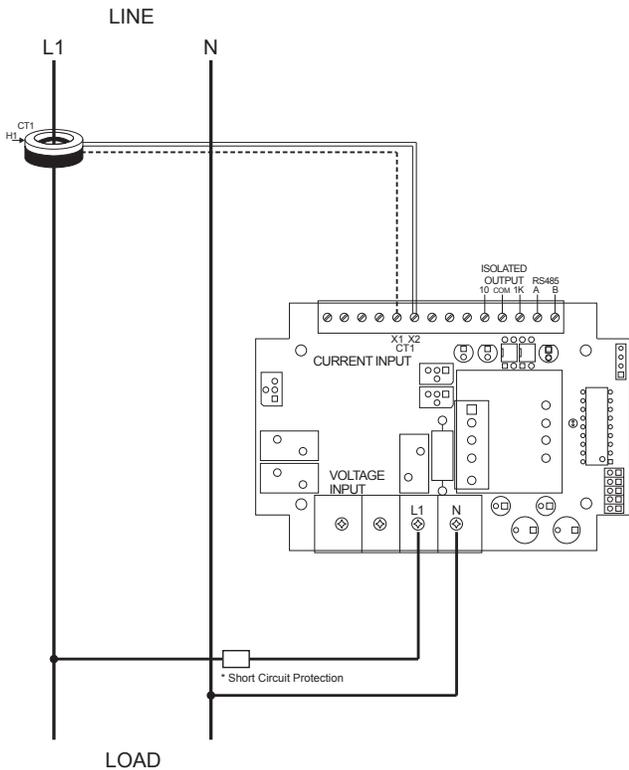
- Measures kWh and demand (optional)
- Certified to all applicable standards of ANSI C12.1 and ANSI C12.20 (0.5) Codes for Electricity Metering
- Equipped with an Isolated Pulse Output channel and an RS-485 serial data port for automated meter reading system interface
- Utilizes revenue-grade 0.3 accuracy 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\*

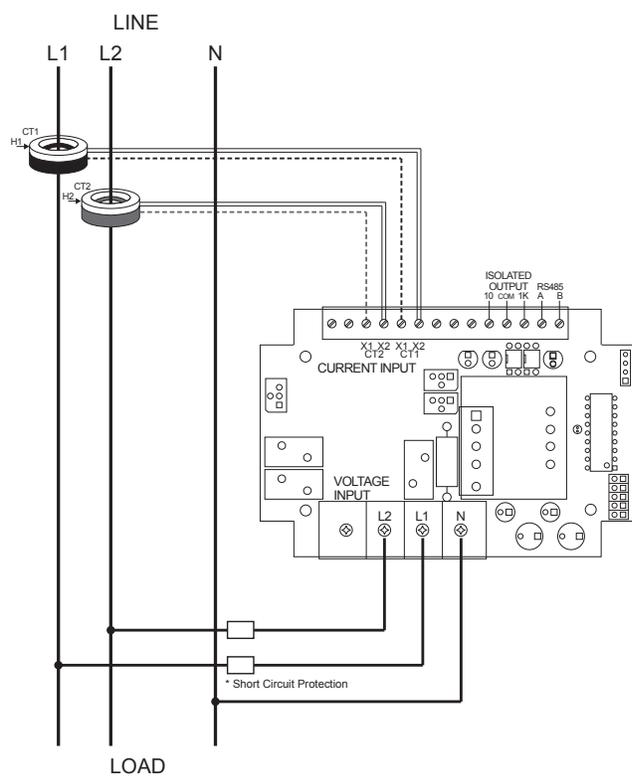
AMPERAGES	PHASE/VOLTAGES
100-1200A	1Ø/2W - 120V
100-1200A	1Ø/3W - 120/208/240V
100-1200A	1Ø/2W - 277V
100-1200A	1Ø/3W - 277/480V

\* Contact factory for non-US voltage configurations.

**SINGLE ELEMENT SERIES 1000  
HOOKUP DIAGRAM**



**DUAL ELEMENT SERIES 1000  
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.

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

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

# PRODUCT DATA



## ORDERING INFORMATION

**NOTE:** Current Transformers (CTs) sold separately.

IMS P/N	LEVITON P/N	DESCRIPTION
S1120N010101100	1N120-011	Single Element, 120V, 1PH, 2W, Line-to -Neutral, 100:0.1A, Max 100A, Indoor Surface Mount
S1120N010102100	1N120-021	Single Element, 120V, 1PH, 2W, Line-to -Neutral, 200:0.1A, Max 200A, Indoor Surface Mount
S1120N010104100	1N120-041	Single Element, 120V, 1PH, 2W, Line-to -Neutral, 400:0.1A, Max 400A, Indoor Surface Mount
S1120N010106100	1N120-061	Single Element, 120V, 1PH, 2W, Line-to -Neutral, 600:0.1A, Max 600A, Indoor Surface Mount
S1120N010108100	1N120-081	Single Element, 120V, 1PH, 2W, Line-to -Neutral, 800:0.1A, Max 800A, Indoor Surface Mount
S1120R010101100	1R120-011	Single Element, 120V, 1PH, 2W, Line-to -Neutral, 100:0.1A, Max 100A, Small Outdoor
S1120R010102100	1R120-021	Single Element, 120V, 1PH, 2W, Line-to -Neutral, 200:0.1A, Max 200A, Small Outdoor
S1120R010104100	1R120-041	Single Element, 120V, 1PH, 2W, Line-to -Neutral, 400:0.1A, Max 400A, Small Outdoor
S1120R010106100	1R120-061	Single Element, 120V, 1PH, 2W, Line-to -Neutral, 600:0.1A, Max 600A, Small Outdoor
S1120R010108100	1R120-081	Single Element, 120V, 1PH, 2W, Line-to -Neutral, 800:0.1A, Max 800A, Small Outdoor
S1240N010101100	1N240-011	Dual Element, 120/208/240V, 2PH, 3W, 100:0.1A, Max 100A, Indoor Surface Mount
S1240N010102100	1N240-021	Dual Element, 120/208/240V, 2PH, 3W, 200:0.1A, Max 200A, Indoor Surface Mount
S1240N010104100	1N240-041	Dual Element, 120/208/240V, 2PH, 3W, 400:0.1A, Max 400A, Indoor Surface Mount
S1240N010106100	1N240-061	Dual Element, 120/208/240V, 2PH, 3W, 600:0.1A, Max 600A, Indoor Surface Mount
S1240N010108100	1N240-081	Dual Element, 120/208/240V, 2PH, 3W, 800:0.1A, Max 800A, Indoor Surface Mount
S1240R010101100	1R240-011	Dual Element, 120/208/240V, 2PH, 3W, 100:0.1A, Max 100A, Small Outdoor
S1240R010102100	1R240-021	Dual Element, 120/208/240V, 2PH, 3W, 200:0.1A, Max 200A, Small Outdoor
S1240R010104100	1R240-041	Dual Element, 120/208/240V, 2PH, 3W, 400:0.1A, Max 400A, Small Outdoor
S1240R010106100	1R240-061	Dual Element, 120/208/240V, 2PH, 3W, 600:0.1A, Max 600A, Small Outdoor
S1240R010108100	1R240-081	Dual Element, 120/208/240V, 2PH, 3W, 800:0.1A, Max 800A, Small Outdoor
S1277N010101100	1N277-011	Single Element, 277V, 1PH, 2W, Line-to -Neutral, 100:0.1A, Max 100A, Indoor Surface Mount
S1277N010102100	1N277-021	Single Element, 277V, 1PH, 2W, Line-to -Neutral, 200:0.1A, Max 200A, Indoor Surface Mount
S1277N010104100	1N277-041	Single Element, 277V, 1PH, 2W, Line-to -Neutral, 400:0.1A, Max 400A, Indoor Surface Mount
S1277N010106100	1N277-061	Single Element, 277V, 1PH, 2W, Line-to -Neutral, 600:0.1A, Max 600A, Indoor Surface Mount
S1277N010108100	1N277-081	Single Element, 277V, 1PH, 2W, Line-to -Neutral, 800:0.1A, Max 800A, Indoor Surface Mount
S1277R010101100	1R277-011	Single Element, 277V, 1PH, 2W, Line-to -Neutral, 100:0.1A, Max 100A, Small Outdoor
S1277R010102100	1R277-021	Single Element, 277V, 1PH, 2W, Line-to -Neutral, 200:0.1A, Max 200A, Small Outdoor
S1277R010104100	1R277-041	Single Element, 277V, 1PH, 2W, Line-to -Neutral, 400:0.1A, Max 400A, Small Outdoor
S1277R010106100	1R277-061	Single Element, 277V, 1PH, 2W, Line-to -Neutral, 600:0.1A, Max 600A, Small Outdoor
S1277R010108100	1R277-081	Single Element, 277V, 1PH, 2W, Line-to -Neutral, 800:0.1A, Max 800A, Small Outdoor
S1480N010101100	1N480-011	Dual Element, 277/480V, 2PH, 3W, 100:0.1A, Max 100A, Indoor Surface Mount
S1480N010102100	1N480-021	Dual Element, 277/480V, 2PH, 3W, 200:0.1A, Max 200A, Indoor Surface Mount
S1480N010104100	1N480-041	Dual Element, 277/480V, 2PH, 3W, 400:0.1A, Max 400A, Indoor Surface Mount
S1480N010106100	1N480-061	Dual Element, 277/480V, 2PH, 3W, 600:0.1A, Max 600A, Indoor Surface Mount
S1480N010108100	1N480-081	Dual Element, 277/480V, 2PH, 3W, 800:0.1A, Max 800A, Indoor Surface Mount
S1480R010101100	1R480-011	Dual Element, 277/480V, 2PH, 3W, 100:0.1A, Max 100A, Small Outdoor
S1480R010102100	1R480-021	Dual Element, 277/480V, 2PH, 3W, 200:0.1A, Max 200A, Small Outdoor
S1480R010104100	1R480-041	Dual Element, 277/480V, 2PH, 3W, 400:0.1A, Max 400A, Small Outdoor
S1480R010106100	1R480-061	Dual Element, 277/480V, 2PH, 3W, 600:0.1A, Max 600A, Small Outdoor
S1480R010108100	1R480-081	Dual Element, 277/480V, 2PH, 3W, 800:0.1A, Max 800A, Small Outdoor

### 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

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### Visit our Website at: [www.leviton.com/les](http://www.leviton.com/les)

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