LEVITON

VerifEye™ Series 2000 Three Phase Meter Kits

Submetering Solutions for Accurate Measurement & Verification





- kWh and demand meter-Indoor version only
- 120/208V or 277/480V 3PH 4W WYE only
- 100-1200 Amps
- Pulse output—standard feature
- Large LCD display
- Kit includes submeter and required Current Transformers (CTs)

DESCRIPTION

The Leviton VerifEye™ 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. Leviton offers Current Transformers (CTs) in solid and split core styles to accommodate all phases of installation and construction.

Solid core CTs are ideal for new construction, when power is not live and wires can easily be threaded through the core. Split core CTs can be installed at any time without having to disconnect wire terminations, making them the optimal choice for retrofitting an existing structure.

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 2000 meter has an installer-friendly feedback feature. The red reverse phase indicator acts as an installation diagnostics tool and 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 correct line/load orientation.

APPLICATIONS

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

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

Leviton Manufacturing Co., Inc. Lighting & Controls
20497 SW Teton Avenue, Tualatin, OR 97062 **tech line** 800-959-6004 **tel** 800-736-6682
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PRODUCT DATA

FEATURES

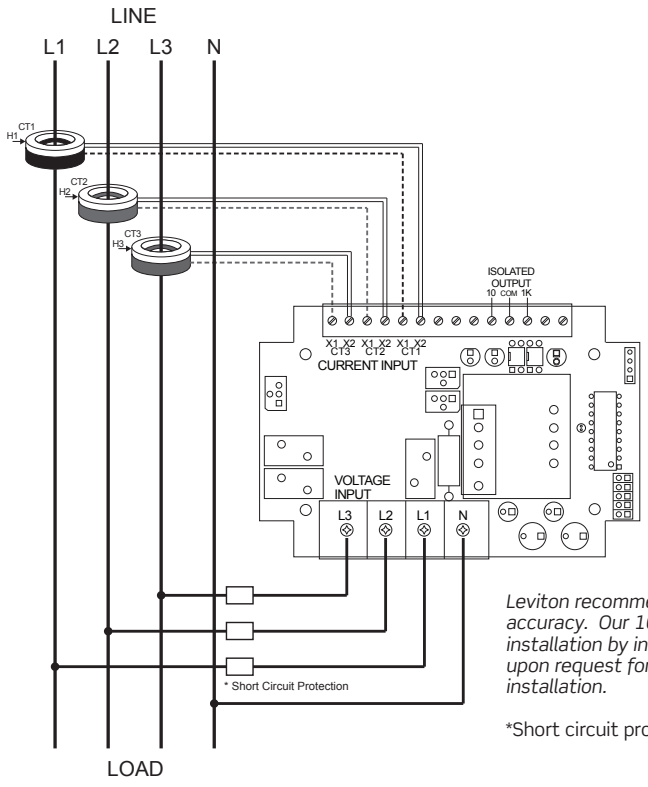
- Measures kWh and demand-indoor models only
- Conform to all applicable standards of ANSI C12.1
- Equipped standard with an Isolated Pulse Output channel
- Utilizes either revenue grade 0.5% accuracy class 0.1A secondary solid core CTs that conform to all applicable ANSI requirements or 1.0% accuracy 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
- Interfaces with numerous communication systems – Hardwired Automatic Meter Reading (AMR) or wireless AMR
- Large LCD shows kWh, instantaneous and peak demand-indoor models only
- Load Indicator LED verifies meter functionality
- Reverse Phase Indicator LED illuminates if the meter is improperly installed
- CT's ship with 48" secondary leads; consult factory for data on maximum extension distances
- UL/cUL Listed Energy Usage Monitor per CCN FTR7
- Five year warranty

CONFIGURATIONS*

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

* Contact factory for non-US voltage configurations. Not for use with Delta type electrical service configurations.

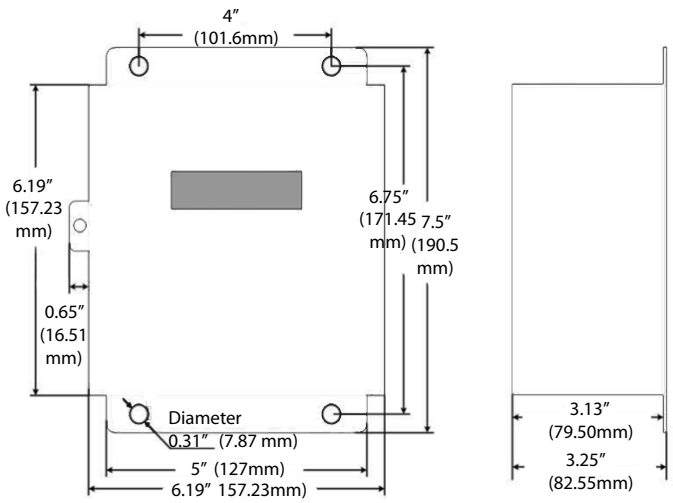
THREE ELEMENT SERIES 2000 HOOKUP DIAGRAM



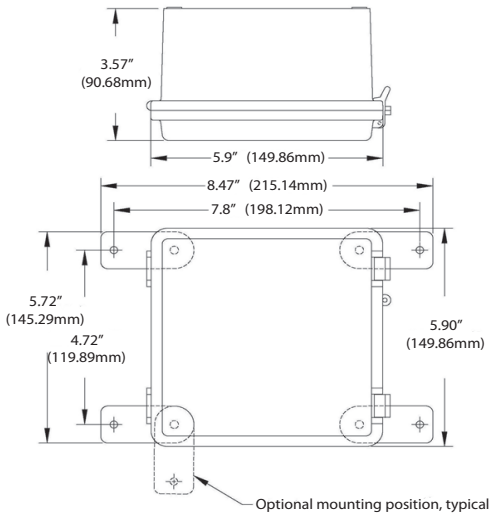
Leviton recommends solid core transformers (CTs) for revenue-grade accuracy. Our 100A and 200A color coded CTs assist with correct installation by indicating phase monitored. Split core CTs are also available upon request for applications where power cannot be interrupted during installation.

*Short circuit protection per NEC and local codes by other.

DIMENSIONS
INDOOR ENCLOSURE



OUTDOOR ENCLOSURE



ORDERING INFORMATION
Series 2000 Three Phase 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 kWh Meter	100	3 SOLID CTs	2K208-1SW
	200	3 SOLID CTs	2K208-2SW
277/480 3PH 4W WYE kWh Meter	100	3 SOLID CTs	2K480-1SW
	200	3 SOLID CTs	2K480-2SW
120/208V 3PH 4W WYE Demand Meter	100	3 Split CTs	2K208-01D
	200	3 Split CTs	2K208-02D
	400	3 Split CTs	2K208-04D
	800	3 Split CTs	2K208-08D
	1200	3 Split CTs	2K208-12D
277/480V 3PH 4W WYE Demand Meter	100	3 Split CTs	2K480-01D
	200	3 Split CTs	2K480-02D
	400	3 Split CTs	2K480-04D
	800	3 Split CTs	2K480-08D
	1200	3 Split CTs	2K480-12D

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ORDERING INFORMATION, CONT'D

Series 2000 Three Phase Meter Kits Outdoor Enclosure*

Voltage	Amps	CTs Included	Leviton P/N
120/208V 3PH 4W WYE kWh Meter	100	3 Split CTs	2O208-01W
	200	3 Split CTs	2O208-02W
	400	3 Split CTs	2O208-04W
	800	3 Split CTs	2O208-08W
	1200	3 Split CTs	2O208-12W
277/480V 3PH 4W WYE kWh Meter	100	3 Split CTs	2O480-01W
	200	3 Split CTs	2O480-02W
	400	3 Split CTs	2O480-04W
	800	3 Split CTs	2O480-08W
	1200	3 Split CTs	2O480-12W

*S2000 meter kit in outdoor enclosure does not support demand measurements

Series 2000 Three Phase Standalone Meters

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

Voltage	Leviton P/N
INDOOR THREE ELEMENT METER, 3PH 4W	
120/208V	2N208-xxx
277/480V	2N480-xxx
OUTDOOR THREE ELEMENT METER, 3PH 4W	
120/208V	2R208-xxx
277/480V	2R480-xxx

*** When ordering a Series 2000 Standalone 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
- 081: 800:0.1A, Max 800A
- 121: 1200:0.1A, Max 1200A

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

Series 1000 Meters
Series 2000 Meters
Series 3500 Meters
Series 4000 and 4100 Meters
Series 8000 Multi-Point Meters
EMH+ Integrated Meter & Hub
0.5% Mini Meters
Mini Meters
Multiple Meter Units (MMUs)
Current Transformers (CTs)
BillSuite
Building Manager Online (BMO) 3.0

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