

VerifEye™ Series 7000 and 7100

Advanced 3-Phase Meter







70D03 DIN Rail Mount



Solid Core CT



Rogowski Rope CT



Split Core CT

Description

The VerifEye™ Series 7000 and 7100 Advanced 3-Phase meters are a versatile option for a broad range of commercial/industrial submetering applications. The meter's power metering functionality continues the VerifEye mission of lowering the total cost of collecting data by reducing install complexity, and increasing flexibility. The plug-andplay integration ensures the full complement of data points are immediately captured and made available for countless applications.

The Series 7000 and 7100 supports all industry standard communications protocols including RS-485, BACnet MS/TP, BACnet IP, ModBus TCP and Ethernet for maximum flexibility. The integrated USB port may be used for local configuration.

The Series 7000 and 7100 monitors current, voltage, instantaneous power, demand and energy consumption of each monitored circuit, including the main feed. As a circuit approaches the user-configured threshold, alarm indicators are triggered preventing costly downtime from overloaded circuits or failed loads.

Applications

Use the Series 7000 and 7100 Meters in commercial and industrial applications for:

- Real-time power monitoring for:
 - Commercial
 - Industrial
 - Higher Education/Campuses
- Data centers
- Tenant submetering

Features

- Monitors a single 3-phase circuit
 - Configuration options for 1-pole or 2-pole loads
 - Solid core CTs (100A & 200A)
 - Split core CTs (50A to 800A)
 - Rogowski coil CTs (5A to 4000A)
- Line powered from 90-600V, phase-to-phase
- ANSI & IEC metering system accuracy including branch CTs
- · Meter board features:
 - Easy access terminals for CT wiring, removable connectors
 - Easily route cable and view LEDs from any angle
- Reports volts, amps, power, demand and energy for each
- Provides multi-phase totals for loads with 1-, 2-, and 3-pole breaker positions
- User-configurable alarm thresholds register for improved load management
- Selectable phase orientation
- Limited 5-year warranty

NOTE: Factory commissioning on the Series 7000 and 7100 Meters is highly recommend as remote configuration of the meters is not an option offered by Leviton Technical Support.

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Capabilities

Measured Parameters*

- Volts
- Amps
- kW
- kVAR
- kVA
- aPF
- dPF
- kW demand
- kVA demand
- Import (Received)
- kWh, Export (Delivered)
- kWh
- Net kWh
- Import (Received) kVAh
- Export (Delivered) kVAh
- Net KVAh, Import (Received)
- kVARh, Export (Delivered)
- kVARh
- Net kVARh
- THD Theta
- Frequency
- * All parameters for each phase and system total

Accuracy

• 0.2% ANSI C12.20-2010 Class 0.2

Wide Range Power

- 90-346 Volts AC Line-to-Neutral
- 600V Line-to-Line, CAT III

Highly Configurable

• 1P/2W, 2P/3W, 3P/4W (WYE), 3P/3W (Delta)

User Interface Options

- Meter front panel display unit
- Power Meter Viewer software with either USB direct to the meter or PC/Ethernet

Features



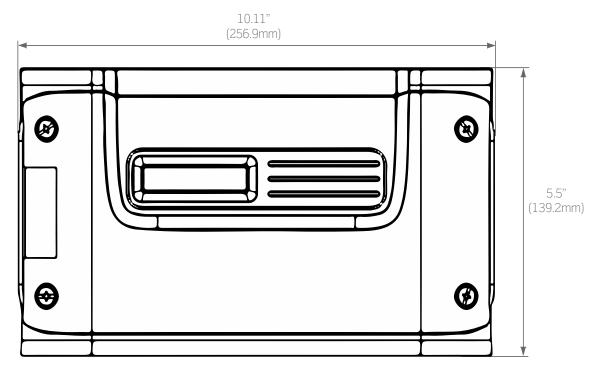
Series 7000 DIN Rail Mount



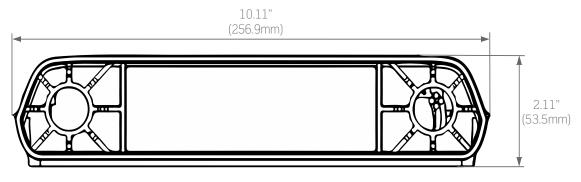
Series 7100 Wall Mount Enclosure



Dimensions



Series 7100 Wall Mount Enclosure Front

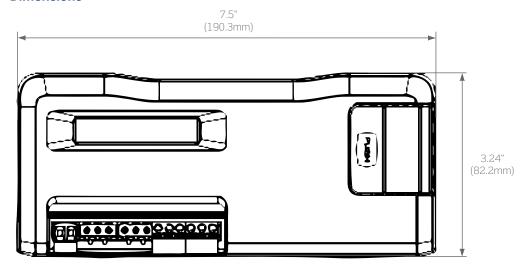


Series 7100 Wall Mount Enclosure Bottom

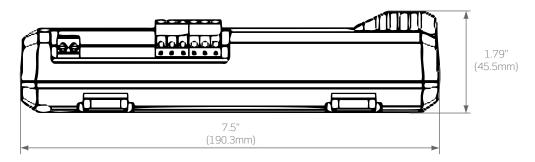
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Product Data 7xD03-000

Dimensions



Series 7000 DIN Rail Mount



Series 7000 DIN Rail Mount



Specifications

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Ordering Information

Series 7000 and 7100 Advanced 3-Phase Meter		
Cat. No.	Description	
70D03-000	Series 7000 Advanced 3-Phase Meter (DIN Rail Mount)	
71D03-000	Series 7100 Advanced 3-Phase Meter (NEMA 1 Wall Mount Enclosure)	

Compatible CT Options*			
Cat. No.	Description	Accuracy	
CDV01-K17	Solid Core CT, 333mV:100A, 0.75"	0.2%	
CDV02-K17	Solid Core CT, 333mV:200A, 0.75"	0.2%	
CTV5X-WA4	Split Core CT, 333mV:50A, 0.4"	0.5%	
CTV01-KD0	Split Core CT, 333mV:100A, 1" Window	0.5%	
CTV02-KD0	Split Core CT, 333mV:200A, 1" Window	0.5%	
CTV04-KD1	Split Core CT, 333mV:400A, 1.25" Window	1.0%	
CTV08-KG1	Split Core CT, 333mV:800A, 3.0"x3.5" Window	1.0%	
CRV50-LR2	5-4000A Rogowski Coil CT 16", 131mV/1000A @ 60Hz, 109.2mV/1000A @ 50Hz	<0.2% accuracy	
CRV50-LR4	5-4000A Rogowski Coil CT 24", 131mV/1000A @ 60Hz, 109.2mV/1000A @ 50Hz	<0.2% accuracy	

^{*}The Series 7000 Embedded Branch Circuit Monitors are compatible with 333mA CTs, sold separately.

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LES-G-10684/F23-mm

