POWERSCOPE IN-LINE METER

KEY FEATURES

- Add network-based current monitoring to existing basic and metered PDUs

- In-line ammeters with NEMA, California Style or IEC style connectors

- Select models available with a digital display to provide easy current monitoring

- Integrates with Scalable Enterprise Management Application (SEMA) software providing real-time IP-based power monitoring across your entire enterprise
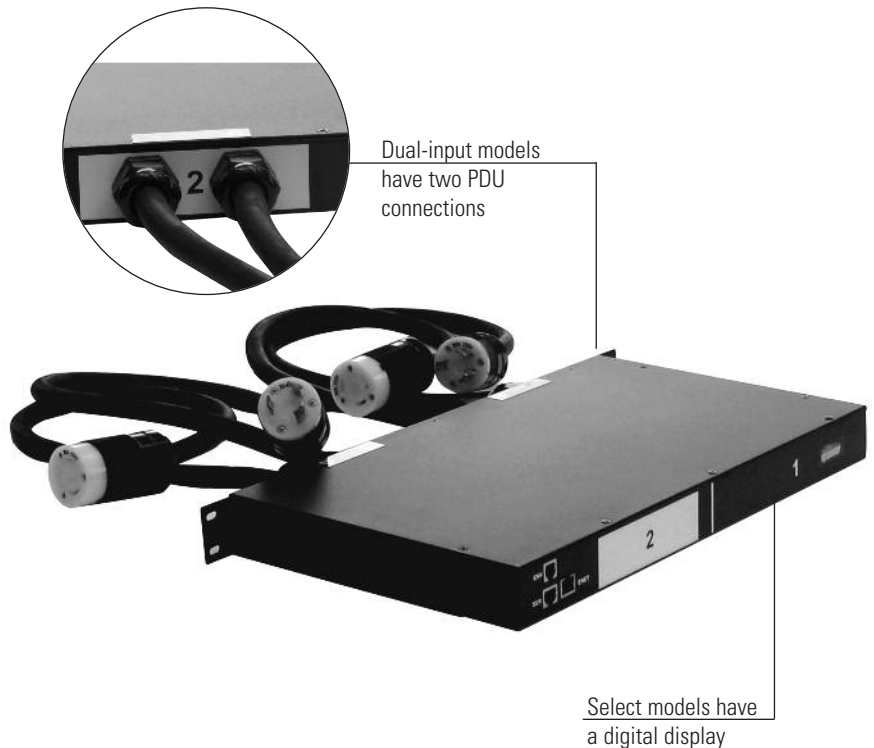
APPLICATIONS

- The PowerScope In-Line Meter lets you add network-based current monitoring to existing basic and metered PDUs.

- Make existing basic and metered PDUs SEMA-compatible

USE WITH

- CPI Cabinet Systems
- CPI Rack Systems
- Basic and Metered PDUs
- SEMA
- CenterLine
- CenterView KVM Console

RELATED ACCESSORIES

- Electronic Locking System
- Remote Infrastructure Management (RIM-600) System

Dual-input models have two PDU connections

Select models have a digital display

The PowerScope In-Line Meter lets you upgrade basic and metered PDUs with an in-line current meter that features network-based current monitoring to help you track where and when power is used. Real-time power monitoring is essential to improving power usage effectiveness (PUE) in your data centers and equipment rooms. It helps you identify power problems and track power demand, allowing you to organize IT processes and equipment for the most efficient use of available power.

Featuring an Ethernet port, the PowerScope In-Line Meter allows network-based monitoring of current use and forwards alarms as SNMP traps when user-defined current limits are met. Combine the unit with a basic or metered PDU, Scalable Enterprise Management Application (SEMA) software and CenterLine or CenterBridge for real-time enterprise-wide IP-based power monitoring and server access. The unit also has a temperature and humidity sensor port for environmental monitoring and a serial port for direct setup, management and monitoring. Select models include local display that shows the amount of current being used by attached equipment, allowing you to measure current use and estimate remaining power on each circuit segment before adding additional equipment to the attached PDU.

Choose a PowerScope In-Line Meter that matches the voltage and current rating of the power connection and PDU. Single-input and dual-input, single-phase or three-phase horizontal rack-mount PowerScope In-Line Meters with various plug and connector combinations are available. Use models with local digital current meters for basic PDUs and models without local digital current meters for metered PDUs.

See reverse for product selection. Contact CPI Technical Support for configuration assistance. The Technical Support Team assists customers and partners to solve IT infrastructure problems in a timely and accurate manner by understanding their requirements and creating practical and suitable CPI Solutions.

CHATSWORTH PRODUCTS, INC.

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SPECIFICATIONS

- Single- or dual-input, horizontal rack-mount in-line ammeter
- For indoor use only, in environmentally controlled areas; may not be used outdoors, in harsh environments or in air-handling spaces
- Size: 19"W x 1 RMU x 9"D (230 mm)
- Power Input:
  - Specific to meter (see order tables)
  - Stated as maximum rated voltage and current of plug/connector
  - 50/60 Hz
- Power Output:
  - Specific to meter (see order tables)
  - Same voltage/frequency as input
- Power Cord:
  - Attached, 3'L (1.0 m) on inlet and outlet
  - Not rated for plenum use
- Power Inlet:
  - Specific to meter (see order tables)
  - NEMA, California Style or IEC 60309 power plug
- Power Connectors:
  - Specific to meter (see order tables)
  - NEMA, California Style or IEC 60309 power connector
- Select Models Include a Digital Display
  - 3.5-digit (XXX.X) digital display in-line with each circuit on select models (see order tables)
- Current Monitoring:
  - Network-based current monitoring over a 10/100/1000 Mbps RJ-45 Ethernet connection or direct monitoring through a single cable RJ-45 serial connection (order separately)
  - Set current limits that send alarms via SNMP trap or through SEMA software
  - SNMP 1.0 compatible; SEMA compatible
- Temperature/Humidity Monitoring:
  - (1) RJ-11connection for an external temperature/humidity sensor that is ordered separately
- Bonding/Grounding:
  - Includes a grounded power plug
- Operating Conditions:
  - Temperature: 32 – 104°F (0 – 40°C)
  - Relative Humidity: 10% – 90%, non-condensing
  - Elevation: 0 – 10,000 feet (0 – 3048 meters)
  - Shock, Vibration: 5 Hz – 500 Hz, 0.5 g (0.1 octave/min)
  - Audible Noise: 60 db LpA
  - Heat Dissipation: 10 BTU/hr maximum
- Storage/Non-Operating Conditions:
  - Temperature: -4 – 140°F (-20 – 60°C)
  - Relative Humidity: 5% – 95%, non-condensing
  - Elevation: 0 – 30,000 feet (0 – 9144 meters)
  - Shock, Vibration: 5 Hz – 100 Hz, 1 g (0.1 octave/min); 100 Hz – 500 Hz, 1.5 g (0.2 octave/min); 500 Hz – 1000 Hz, 1.5 g (0.2 octave/min)
- Includes Two-Post Rack/Cabinet Mounting Brackets
- Finish: Black only

ORDERING INFORMATION

Part Number	Description	Shipping Weight
PowerScope In-Line Meter, Single-Phase		
35991-311	Single-Phase, 250V, 20 Amp with NEMA L6-20P Plug, NEMA L6-20R Connector with Display	22 lb (10.0 kg)
35991-411	Single-Phase, 250V, 30 Amp with NEMA L6-30P Plug, NEMA L6-30R Connector with Display	22 lb (10.0 kg)
35991-312	Single-Phase, 230V, 16 Amp with IEC 60309 2P+E Plug, IEC 60309 2P+E Connector with Display	22 lb (10.0 kg)
35991-412	Single-Phase, 230V, 32 Amp with IEC 60309 2P+E Plug, IEC 60309 2P+E Connector with Display	22 lb (10.0 kg)
PowerScope In-Line Meter, Single-Phase, Dual-Input		
35992-120	Single-Phase, Dual-Input, 125V, 20 Amp with NEMA L5-20P Plugs, NEMA L5-20R Connectors with Displays	22 lb (10.0 kg)
35992-100	Single-Phase, Dual-Input, 125V, 20 Amp with NEMA L5-20P Plugs, NEMA L5-20R Connectors, No Display	22 lb (10.0 kg)
35992-220	Single-Phase, Dual-Input, 125V, 30 Amp with NEMA L5-30P Plugs, NEMA L5-30R Connectors with Displays	22 lb (10.0 kg)
35992-200	Single-Phase, Dual-Input, 125V, 30 Amp with NEMA L5-30P Plugs, NEMA L5-30R Connectors, No Display	22 lb (10.0 kg)
35992-321	Single-Phase, Dual-Input, 250V, 20 Amp with NEMA L6-20P Plugs, NEMA L6-20R Connectors with Displays	22 lb (10.0 kg)
35992-301	Single-Phase, Dual-Input, 250V, 20 Amp with NEMA L6-20P Plugs, NEMA L6-20R Connectors, No Display	22 lb (10.0 kg)
35992-421	Single-Phase, Dual-Input, 250V, 30 Amp with NEMA L6-30P Plugs, NEMA L6-30R Connectors with Displays	22 lb (10.0 kg)
35992-401	Single-Phase, Dual-Input, 250V, 30 Amp with NEMA L6-30P Plugs, NEMA L6-30R Connector, No Display	22 lb (10.0 kg)
35992-322	Single-Phase, Dual-Input, 230V, 16 Amp with IEC 60309 2P+E Plugs, IEC60309 2P+E Connectors with Displays	22 lb (10.0 kg)
35992-422	Single-Phase, Dual-Input, 230V, 32 Amp with IEC 60309 2P+E Plugs, IEC60309 2P+E Connectors with Displays	22 lb (10.0 kg)
PowerScope In-Line Meter, Three-Phase		
35993-404	Three-Phase, 250V, 30 Amp with NEMA L15-30P Plug, NEMA L15-30R Connector, No Display	22 lb (10.0 kg)
35993-603	Three-Phase, 250V, 50 Amp with California Style 3P/4W Plug, California Style 3P/4W Connector, No Display	22 lb (10.0 kg)
35993-405	Three-Phase, 120/208 WYE, 30 Amp with NEMA L21-30P Plug, NEMA L21-30R Connector, No Display	22 lb (10.0 kg)

Note: All units include Network (Ethernet), Serial and Temperature/Humidity Sensor ports and are SEMA compatible. Order the Temperature/Humidity Sensor separately.

ACCESSORIES

Part Number	Description	Shipping Weight
35941-132	Environmental Probe Assembly Temperature & Humidity Sensor, RJ11, 5'6"L (1.7 m) Cord	2 lb (0.9 kg)
35941-131	Serial Setup Cable, RJ-45 to DB9	2 lb (0.9 kg)

Note: There is one sensor connection on each PowerScope In-Line Meter.

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