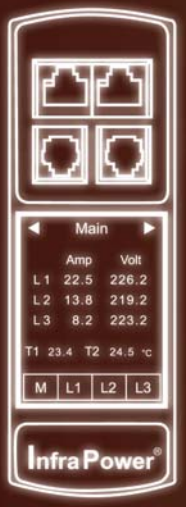
InfraPower®

Inspired by Your Data Center

AUSTIN HUGHES®

3-Phase In-Line Meter (400V / 208V)

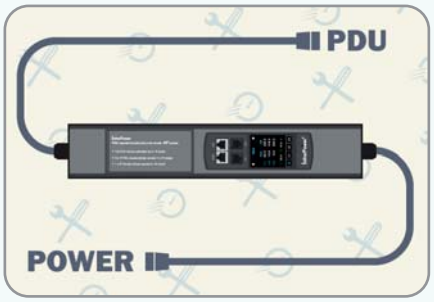


Server racks equipped with basic PDU are very common in nowaday's data centers. However, real time power monitoring is becoming a more important feature of rack PDU.

InfraPower In-Line Meter, the most effective PDU enhancement approach, is designed to upgrade your basic PDU with local monitoring plus remote management.

FC CE RoHS REACH

>>> Quick & Easy PDU Upgrade



The In-Line Meter simply connects between the existing basic PDU and the power source. It eliminates the need to replace every rack PDU installed, dramatically reducing the project implementation time.

>>> Advanced In-Line Meter

InfraPower In-Line meter provides the cascade ports for network connection. Two sensor ports are integrated for temperature & humidity monitoring. The 2.8" touchscreen LCD offers a real time local PDU monitoring.

>>> Remote PDU Monitoring

Free IPM-04 software allows advanced PDU remote management for up to 800 PDUs. Monitoring with reporting is provided within IPM-04. SNMP function is also available for PDU integration to third party DCIM.

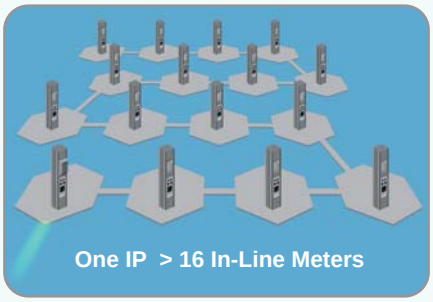
>>> Field Replaceable In-Line Meter

Mission critical data centers cannot afford power shutdown. The In-Line Meter design is field replaceable without the need to power down the PDU for meter replacement and maintenance.

>>> High Metering Accuracy

The sharp and highly visible 2.8" touchscreen LCD provides local data of current (AMP), voltage (Volt), power (KW), power factor, energy consumption (KWh) of entire PDU. This data has a metering accuracy to within +/- 1%.

>>> Save IP Address Cost



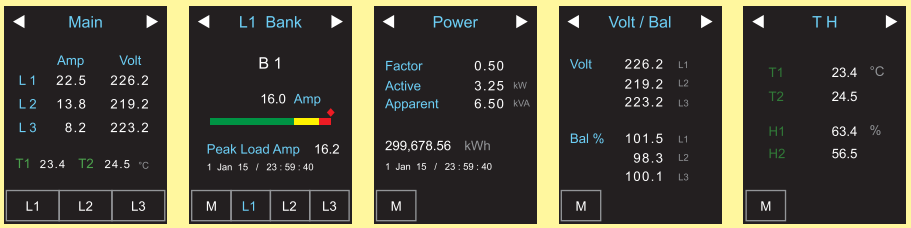
InfraPower In-Line Meter is designed to support daisy chain connections. It allows up to 16 In-Line Meters to be cascaded via Cat6 cables - All the PDUs with In-Line Meters are remotely accessed via a single network IP.

Local PDU Management by Meter

3-Phase In-Line Meter featured with 2.8" touchscreen offers a real time local monitoring and detailed PDU status.

Display for PDU Monitoring

- Amp, Volt & Power Factor
- kWh Energy Consumption
- Active & Apparent Power
- Phase Balance
- Temp. & Humidity



IP Dongle

- Patented design
- Hot pluggable for easy integration
- Allows IP remote access to the In-Line Meters by a single network IP
- One IP dongle supports max. 16 In-Line Meters in daisy chain
- Highly cost effective method to access the intelligent PDUs
- SNMP capability v2 / v3

P/N : IPD-02-S

Remote PDU Management by IPM-04 Software

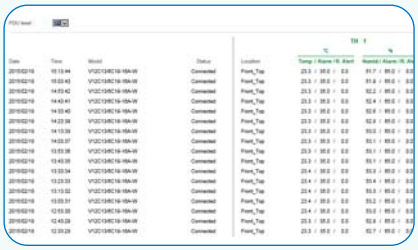
InfraPower Manager IPM-04 is the free, powerful and user friendly PDU management software.

The Windows based software consolidates management of max. 800 In-Line Meter with PDUs via 50 IP dongles. 5 concurrent user access licences are part of the IPM-04 bundle, for achieving the demand of multi-user in data center operations.

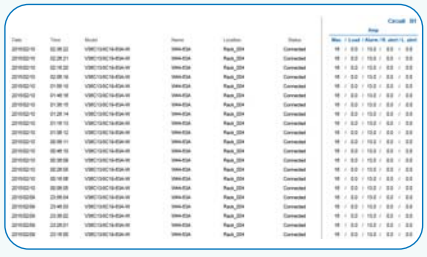
IPM-04 Features		
Capacity	IP Dongle Group (Just 1 for 16 PDU levels)	50
	PDU (In-Line Meter) Number	800
	Concurrent Users	5
Enhanced Features	Energy Consumption (kWh) Monitoring	✔
	Apparent Power (kVA) Monitoring	✔
	Power Factor Measurement	✔
Basic Features	Aggregate Current (Amp) Monitoring	✔
	Temp-Humid Monitoring	✔
	Alarm Threshold Setting	✔
	Rising Alert Threshold	✔
	Remote Access via Web	✔
	Graphic User Interface	✔
	Reporting	✔
PDU Series Support	Three Phase - 400V	✔
	Three Phase - 208V	✔

PDU Monitoring

Temp. & Humid. Monitoring



Reporting



400V Model :

Model No.	Amp	Inlet (male) 1.5m cordset **	Outlet (female) 1.5m cordset **
PW-16A_EN	16A → 16A	16A EN x 1	16A EN x 1
PW-32A_EN	32A → 32A	32A EN x 1	32A EN x 1

208V Model :

PW-20A_L1520	20A → 20A	L15-20P x 1	L15-20C x 1
PW-20A_L2120	20A → 20A	L21-20P x 1	L21-20C x 1
PW-30A_L1530	30A → 30A	L15-30P x 1	L15-30C x 1
PW-30A_L2130	30A → 30A	L21-30P x 1	L21-30C x 1
PW-50A_CS8365C	50A → 50A	CS8365 x 1	CS8364 x 1
PW-60A_EN	60A → 60A	60A EN x 1	60A EN x 1

** 1.5m cordset standard for inlet & outlet. Specific cordset length available.

Mounting Kit : Bundled In-Line Meter mounting kit supports rackmount or vertical mount.

Accessories

Temp. & Humid. Sensor

- Plug & Play
- External sensor with 2M or 4M cord
- Low profile design with magnetic base for easy affixing to the rack
- Pair of sensors can be connected to one single W series PDU meter

P/N : IG-TH01-2M (2m cord)
IG-TH01-4M (4m cord)

Temp. Sensor

P/N : IG-T01-2M (2m cord)
IG-T01-4M (4m cord)

Specifications

Electrical	
Nominal input voltage	3PH 208V / 400V
Input frequency	50 / 60Hz
Inlet & output cordset	1.5-meter cord
Local display	Field replaceable 2.8" color LCD with touchscreen
Bank measurement	Voltage (V), Current (A), energy (kWh) & power factor
Accuracy	±1% true RMS
IP Access	via IP dongle, one IP access up to 16 PDU levels
Cascade	Up to 16 PDU under single IP address via IP dongle
SNMP	via IP dongle
Sensor port x 2	Temp. Sensor / Temp. + Humid. Sensor

Physical	
Product (W x D x H)	350 x 60 x 90 mm
Packing (W x D x H)	525 x 235 x 80 mm
Net weight	3 kg / 6.6 lb
Gross weight	3.3 kg / 7.3 lb
Extrusion color	Dark
Extrusion materials	Aluminum

Environmental	
Operating temperature	-5 to 60°C degree (23 to 140°F)
Storage temperature	-25 to 65°C degree (13 to 149°F)
Operating humidity	8~95%, non-condensing
Storage humidity	8~95%, non-condensing

Compliance	
EMC	FCC & CE certified
Safety	CE / LVD certified
Environment	RoHS2 & REACH compliant

Founded in 1995, **Austin Hughes Electronics Ltd** is a design and manufacturing group that offers a broad range of solutions based around 19 inch rack mount technology. These solutions include InfraSolution remote access control and locking, InfraPower intelligent remote management power solutions, CyberView LCD Keyboard and KVM drawers, InfraCool intelligent remote cooling system, UltraRack smart cabinet solution & InfraAisle cold aisle containment.

Austin Hughes has ISO14001 and ISO9001 approved design, manufacturing, assembly and test facilities in Hong Kong and China. Austin Hughes supports a worldwide customer base, through its global locations in the Americas, EMEA and APAC and through its extensive authorized channel partner support network.

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