

# Smart Power Monitor

## Key Features

- > **Input Current Monitor:**
  - Precisely measure the aggregate current draw (in amps) on each power circuit. Networked verification via web browser or serial screen.
- > **High Density:** 3-Phase 400 V 16 and 32-Amp
- > **IP Access & Security:** Web interface, SSL, SSH, telnet, SNMP, FTP, SNTF, Syslog, LDAP, LDAPS, RADIUS, TACACS and RS-232 access.
- > **Environmental Monitoring:**
  - Supports two external temperature and humidity probes and reports conditions thru the user interface without the need for additional IP addresses .
- > Digital TRMS current monitoring ensures accuracy.
- > **Alerts:** Provides automated SNMP-based alarms or email alerts for power and environmental conditions.

## CS-2HD4



## Digital TRMS Current Load Metering

Allows the ability to easily add input current load or power monitoring to any existing cabinet via an integral web based interface or through a serial connection. This allows you to determine:

- 1) if there is available power to add additional devices to the cabinet
- 2) if you are close to exceeding the circuit's capacity and triggering an over current protection device bringing down the power in-feed
- 3) the proper loading of each CDU's power in-feed to ensure redundancy.

Note: In an A and B power in-feed configuration each Cabinet Power Distribution Unit (CDU) should not be loaded to over 40% of the rated load to ensure that if one of the power in-feeds is lost that the whole load can be supported by the CDU that still has power available.

## Additional Benefits



### Temperature and Humidity

The Smart CDU supports two external 10ft (3m) probes. Each of these probes measure both temperature and humidity. Receive SNMP-based alerts or email notifications when conditions exceed defined thresholds.



### Input Current Monitoring

The Digital True RMS current monitoring, with improved accuracy, is critical to preventing overloads in high-density computing environments. The web GUI, accessed by a network connection or via the built in serial port, reports the input current (in Amps) of each power circuit for simple load balancing.

Model	Input Voltage	Amperage	Inputs	Outputs	Dimensions
CS-2HD4J131Z1	3-Phase Wye, 400V, 50/60Hz	16A	(2) IEC 60309 Cord Set, 10ft (3.0m)	(2) IEC 60309 Cord Set, 3ft (.9m)	1.75 x 17.0 x 7.0 in. (44 x 432 x 178mm)
CS-2HD4K131Z1	3-Phase Wye, 400V, 50/60Hz	32A	(2) IEC 60309 Cord Set, 10ft (3.0m)	(2) IEC 60309 Cord Set, 3ft (.9m)	1.75 x 17.0 x 7.0 in. (44 x 432 x 178mm)

## Additional Specifications

### Agency Approvals

- > European Union (TUVGS mark) to EN 60950-1:2001
- > FCC Class A, Part 15
- > CE
- > EMC - EN 55022 Class A, EN 55024

### Accessories

- > Optional Temperature & Humidity Probe
  - EMTH-1-1 Temperature & Humidity Probe, 10 ft (3m)

### Communications and Security

- > 10/100 BaseT Ethernet
- > HTTP/HTTPS
- > SSLv3/TLSv1
- > SNMPv2
- > SSHv2
- > Telnet
- > LDAPS/LDAPv3
- > RADIUS
- > TACACS+
- > RS-232 (Serial)



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