AC²METER

a smart product by Racktivity

To give a total overview of your power consumption, Racktivity has complemented its product line with a new family of power meter and monitoring devices.

Our AC²Meter can be installed at the AC power distribution board or in distributed remote locations such as PoPs, base stations, and head ends.

The unit features a DIN rail mountable design and Ethernet connectivity and supports 8 inputs for current measurements. The AC²Meter also supports our *E²Sensor* range to offer a granular set of environmental monitoring including temperature, humidity and motion sensing as well as smoke detection, water leak detection under raised floors and dry contacts for rack door intrusion detection.

The AC²Meter is fully compatible with our DCPM, a Service Provider Infrastructure & Data Center Performance Management System, allowing you to remotely monitor and manage power and critical environment metrics in your data centers and/or smaller distributed infrastructures.

The meter provides you with the missing element for a complete power monitoring solution and solves any issues with large or distributed estates of AC powered equipment.
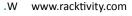With this addition, Racktivity gives you the tools to measure and analyse your data in order to prevent downtime and reduce your carbon footprint.

.benefits

› Thanks to the use of a split-core current transducer, no power is cut off during installation in existing environments
› Fore-warned is fore-armed: pro-actively prevent downtime by creating customised thresholds for alarms and warnings
› Plan capacity and avoid inefficient power usage
› Compatible with the *E²Sensor*, Racktivity's environmental sensor which provides highly granular information regarding environmental status.
› Full-feature and easy integration with our *DCPM* solution, the ultimate server software to monitor, manage and optimise your power usage and environmental information

.features

› Can be used in 1 or 3 phase systems
› Self powered via first phase
› 8 external current sensors can be connected, support for different types from 8A to +200A
› Autodetection on what phase a current sensor is connected
› Groups can be configured to make the sum of different current sensors and calculate CurrentSUM or neutral current in case of 3 phase measurement and total power & KwH/group
› Server-based authentication
› Event driven logging
› Flash upgradable, for future PowerQuality analytics
› Ultra low energy consumption (< 2W)
› DIN rail mountable

.W   www.racktivity.com

.M   sales@racktivity.com

.T   +32 9 324 20 90

Racktivity

AC²Meter
a smart product by Racktivity

.technical specifications

MEASURE

› True RMS 25.000+ samples per current sensor
› Billing Grade Accuracy, +/- 1%
› 1 phase or 3 phase : Voltage (V), Frequency (Hz) and PhaseShift (°)
› Per current sensor : True RMS Current (A), Real Power (W), Apparent Power (VA), Power Factor (%), Power Consumption (kWh), KiloVolt Amp Hours (kVAh)
› Group : Total Current (A), Neutral Current (A) , Total Real Power (W) and Total Power Consumption (kWh)
› Internal temperature sensor
› Event logging
› Detailed logging: besides logging all measurements every 5 minutes, all power related behaviour deemed 'deviant' is logged for several seconds before and after occurring.
› Oscilloscope view: Realtime wave form graph of voltage and current per sensor

CONTROL

› Ethernet 10/100 Mbps auto detecting, half/full duplex connection
› Racktivity R-BUS connectors for connecting E²Sensors
› Integrated web interface enabling remote access
› CLI (Command Line Interface) over Telnet and Telnet-SSL remote access
› Display: monitor voltage, frequency, phase shift , current, change network settings

SECURE

› SNMP TRAPs, SETs, GETs support
› Integrated secure web site (HTTPS)
› SSL certificate
› Customisable thresholds & alarms
› Warning levels for voltage, power, current, temperature and more
› Extensive logging
› Server-based authentication/authorization

OTHER

› Form-factor: DIN rail 4M
› OLED with 4 control buttons
› LED power ON/OFF
› CE/RoHS compliant

Up to 8 current sensors
Connection to Ethernet
OLED display
4 control buttons
Connection to E²Sensor (environmental)
Up to 3 phase

1 or 3 phase
110 VAC
-
230 VAC

1 or 3 phase load or power distribution