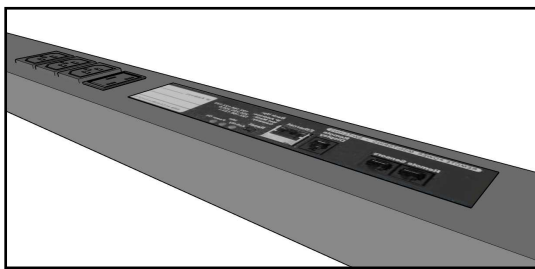


# Remote Digital Power & KW/hr meter with environmental monitoring



Vertical PDU



Dual KWh  
Splitter box

The Remote Digital Power & KWh meter provides full remote monitoring of Volts/Amps/Apparent Power/Real Power/Power Factor and also KWh monitoring via HTTP, SNMP and XML.

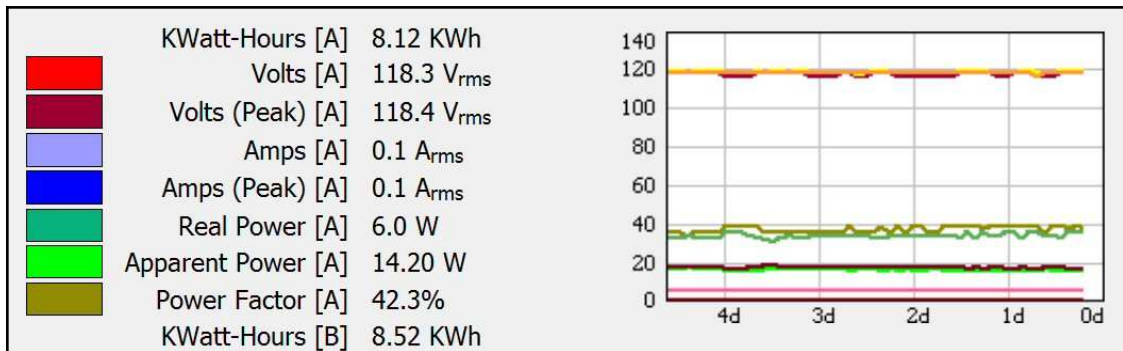
The Remote Power & KWh meter has its own built-in web server which can be quickly configured to work with most industry standard SNMP building/network management tools such as HP Open View / Aperture VISTA / Ipswitch What's Up etc.

The additional and unique XML data output also allows for integration into an SNMP alternative database/data management tool such as an SQL server so all the monitored values can be logged and then analysed as raw data.

If monitoring through SNMP or XML isn't an option then the Remote Power & KWh meter comes with an internal log that can be exported into a 3<sup>rd</sup> party database using the widely accepted CSV file format. Up to 32 days of logged data can be stored internally for downloading at a later date via the integrated web server.

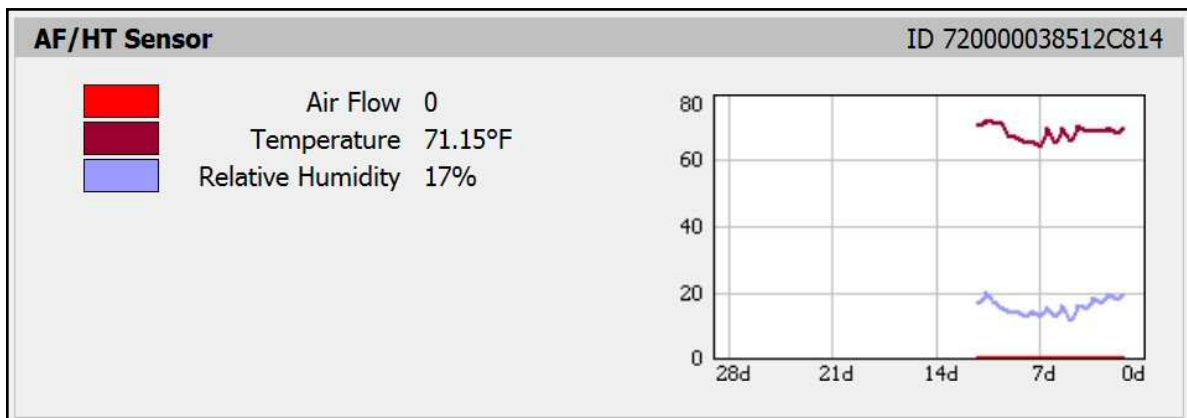
No additional hardware or software is required to use this Remote Power & KW/hr meter. Everything required is built into the unit ready to work straight out of the box including the SNMP MIB.

The Remote Power & KWh meter can be incorporated into almost any Power Strip, Splitter Box or Inline unit up to 63Amps Single Phase.



### Data Management:

Each value monitored by the Remote Power & KWh meter is exported via SNMP & XML for integration into 3<sup>rd</sup> party NMS software or an SQL database. All values are also logged internally using a graph and a .CSV file. You can adjust the timeframe and frequency in which you want to monitor and view the values.

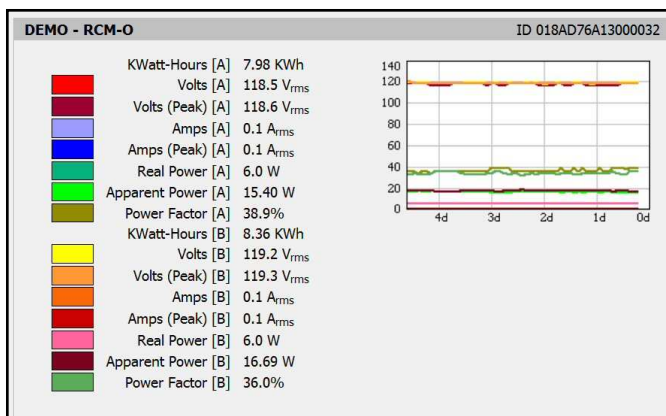


### Environmental monitoring:

Working along side the Power and KWh monitoring is a range of optional environmental monitoring sensors. The available sensors plug directly into the PDU / Splitter box and can monitor the following:

- Temperature
- Humidity
- Airflow

The data from connected environmental sensors is also exported via SNMP/XML.



### Splitter Box KWh monitoring:

The Remote Power & KWh meter can be built in to a 19" rack or under floor splitter box for monitoring of dual outlets with separate Power and KWh monitoring for each outlet.

Included in this is still the ability to add external sensors to the splitter box for environmental monitoring of your rack / co-location space.

## Alarms:

The unit comes complete with user configurable alarms for Low/High parameters for each monitored value. The unit has inbuilt SMTP server to send email alerts when anyone of these parameters is breached. The option is also available to add an external monitoring screen with audible alarm integrated.

Sensor	Current	Low Trip	High Trip	Alarm State
Volts	125.2 V <sub>rms</sub>	130	134	Send E-Mail and Trap ▾
Amps	0.05 A <sub>rms</sub>	5	11	Send SNMP Trap ▾
Real Power	2.8 W	1	2	Send SNMP Trap ▾
Apparent Power	6.36 W	10	20	Send SNMP Trap ▾
Power Factor	43.5%	10	55	Buzzer, E-Mail, Trap ▾

## Access Security:

The unit comes with 3 levels of access security to determine the abilities of each user to configure or simply view the unit. The unit also includes user configurable HTTP & HTTPS ports.

### Name and Password Configuration

View-Only Account Name:

If blank, the read-only portions of the web site will not be password-protected.

View-Only Account Password:

(again, to verify)

## Standards and Comiances:

- BS 7671:16th Edition "Requirements for Electrical Installation"
- BS 60950:2006 "Information Technology Equipment - Safety"
- BS 5733:1995 "General Requirements for Electrical Accessories"
- ISO 9001-2000
- RoHS
- CE MARKED

## Options:

- Single Phase 10A / 13A / 16A / 32A / 63A versions of each Inline or PDU unit.
- Temperature / Humidity / Airflow sensors.
- Choose from our standard range or request a custom PDU to fit your requirements.