

# Power Monitoring and Switching

16A and 32A in-line power meters with optional Relay.



**In-Line Power Meter is essential for :-**

- Checking how close you are to tripping your circuit breaker
- Ensure sufficient power overhead before adding new equipment to a circuit
- Billing individual clients in co-located services
- Monitoring up to 16 appliances from a single IP address

The power meter goes between the electrical source and the PDU or individual appliance, monitoring the voltage (V), current (A) and Kilowat Hours (kWh) being consumed with billable grade accuracy. Remotely switch devices on and off with optional relay. Relays are Bi-Stable Latched relay, which retains it's state regardless of whether it is receiving power or not.

# In-Line Power Meter Features

- Monitor individual Appliance
- Monitor complete Power Strip, turn a power strip into a smart PDU
- Graph power Parameters
- Receive alerts if electrical parameters exceed your pre defined thresholds
- Shutdown power automatically if over voltage detected
- Optional thermal map for smartRack system (see smartRack PDF for more details)
- UL Compliant

## Choice of plug types to match your power train



C13 / C14



U.K



AUS



Nema 5-15



Shuko



C19 / C20



Nema L5-20  
Nema L6-30



Nema 5-20



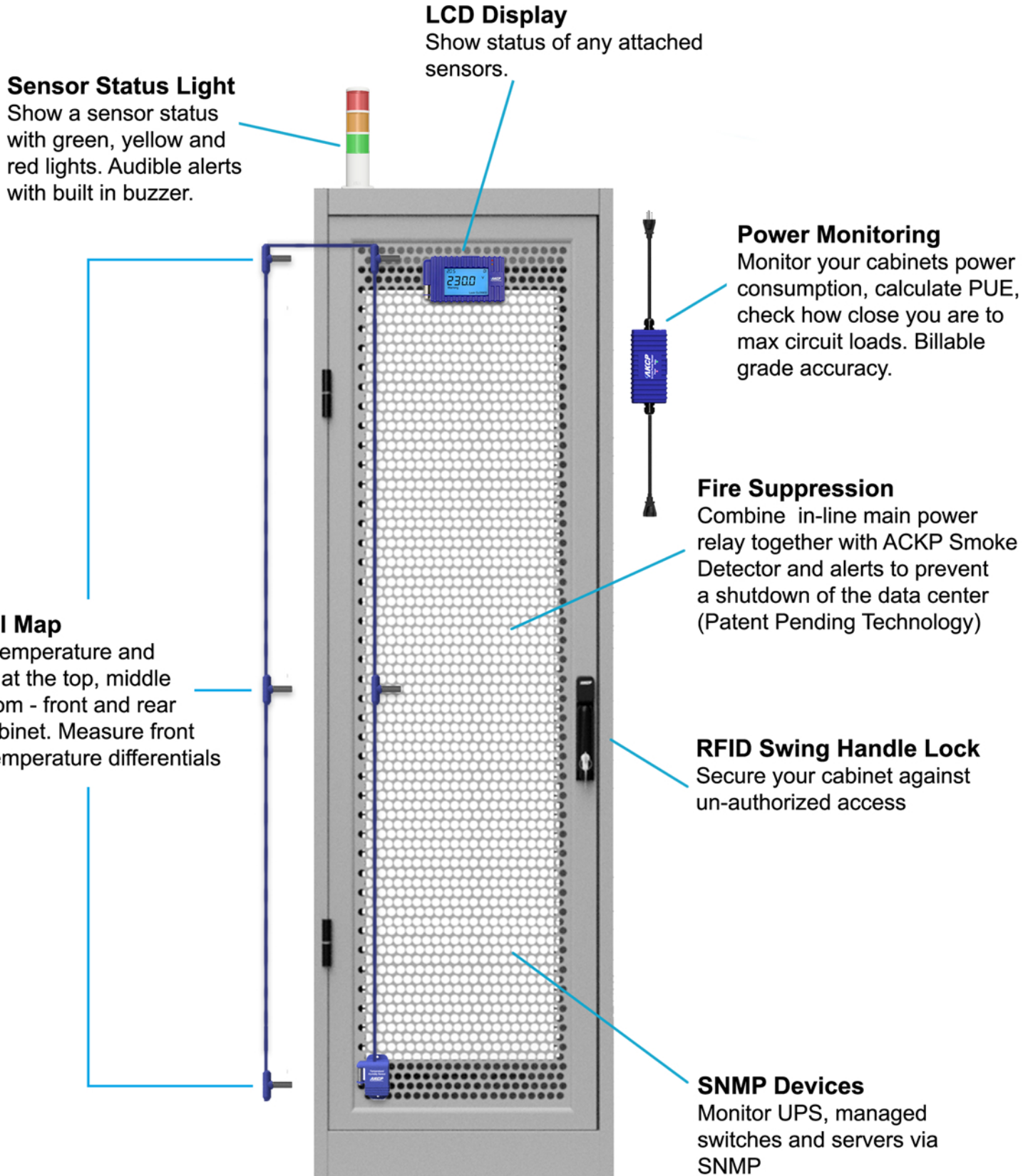
IEC P+N+E



Bare Ends

# smartRack Solution

Use in-line power meters as part of the AKCP smartRack Solution. Monitor and switch power, thermal maps, LCD displays, RFID Swing Handle Locks and more...



## Options and Product Codes

Inline Power Meters come with a variety of options, relays, thermal maps, connection types. Please refer to the table below for the options and their relevant codes.

Order individual code options, or combine into a single part number :-

16A In-line Power Meter with Latched Relay

ILPM-16A-LR

or

ILPM-16A

LR

Product Name	Product Code
Inline Power Meter 32A (25cm power in / out cable bare ends)	ILPM-32A
Inline Power Meter 16A (25cm power in / out cable bare ends)	ILPM-16A
<b>OPTIONS</b>	
<b>Relays</b>	
Latched Relay	LR
<b>Cabinet Thermal Maps</b>	
Cabinet Thermal Map Temperature Only	ILPM-CTM
Cabinet Thermal Map Temperature & Humidity	ILPM -CTHM
<b>10A Connections</b>	
IEC C13 (Power Out)	C13
IEC C13 Locking (Power Out)	C13L
IEC C14 (Power In)	C14
<b>13A Connections</b>	
UK Plug (Power In)	UKP
<b>15A Connections</b>	
AUS (Power In)	AUS
Nema 5-15R (Power Out)	5-15R
Nema 5-15P (Power In)	5-15P

<b>16A Connections</b>	
EUR Plug (Power in)	EURP
C19 (Power Out)	C19
C19 Locking (Power Out)	C19L
C20 (Power In)	C20
IEC 2P+E (220V Power In)	2PEP
IEC 2P+E (220V Power Out)	2PEO
<b>20A Connections</b>	
Nema 5-20R (Power Out)	5-20R
Nema 5-20P (Power In)	5-20P
Nema L6-20P (Power In)	L6-20P
<b>30A Connections</b>	
Nema 5-30P (Power In)	5-30P
Nema L6-30P (Power In)	L6-30P
<b>32A Connection</b>	
IEC 2P+E (220V Power In)	2PEP-32
IEC 2P+E (220V Power Out)	2PEO-32