

## CL-Amp™ Device

### Non-Invasive Power Monitoring

Compact electrical current meter, capable of non-invasively measuring power



**A purpose built monitoring solution for retrofit, new build, and legacy electrical installation. This unique product enables legacy data centres to manage power and cooling capacity without power downtime.**

The CL-Amp™ Device shows power demand in a cost effective and efficient “non-invasive” manner. In one easy step, this smart device, when used with the rest of the system, provides the ability to identify available capacity, make informed decisions, calculate “what-if” scenarios, perform risk analysis, and drive down costs for improved energy efficiency.

The CL-Amp™ Device enables the non-invasive real-time monitoring of current for any device or power strip, rated up to 32A. Devised with an open fork in the high quality and robust plastic housing, it is placed directly over a non-armored power cable with a choice of locking-ring collars to suit most international cable sizes.

Each locking ring separates into two halves and is placed around the power cable and pushed into the clamping slot, retaining the cable with a neat twist and lock action. A very lightweight device, it is designed to be installed at any convenient location on the cable.

The CL-Amp™ Device is part of the portfolio of SmartZone™ Solutions that deliver comprehensive energy and physical infrastructure efficiency in data centres, facilities, and remote estates sites through intelligent products, systems, and services.

### Features

- Powered by the RackKMS™ Gateway to accurately measure and monitor electrical current
- Fixes directly to various power cable sizes
- Monitors non-intelligent power strips
- kVA and kWh calculated via RackKMS™ Gateway

### Benefits

- Non-invasive real-time monitoring
- Visibility of power demand to reduce costs and improve energy efficiency
- No need for power down
- Simple design and easy to install
- Non-intelligent power strip vendor neutral

### SmartZone™ Rack Energy Kits

- Non-Invasive Rack Energy Kit
- In-Line Rack Energy Kit
- Rack-Mounted Energy Kit
- Intelligent Power Strips Kit

### Unified Physical Infrastructure



## Non-Invasive Rack Energy Kit with CL-Amp™ Devices (2)

-Env-U3 Monitoring Software -RackKMS™ Gateway -Set of Ethernet Cables -Temperature Sensors (2)

Part Number	Description
RMSC2T2PCLA01	(2) CL-Amp™ Devices

### CL-Amp™ Device Specifications

Parameter	Value
Current measuring range	1.0A to 60A
Measured supply range	90VAC–250VAC Frequency: 50Hz – 60Hz A.C
Size	134mm x 88.5mm x 41mm, Weight: 135gm
RS232/RS485 Communication link to monitoring units	RackKMS™ Gateway Providing SNMP data collection, monitoring, and configuration of CL-Amp™ Device
RJ45 connector for direct connection	RackKMS™ Gateway
12V DC power supply	32A (typically supplied direct from RackKMS™ Gateway)
Cable collars supplied to support	8mm, 10mm, 12mm, 13mm, 14mm, 15mm, 16mm, and 18mm diameter cables
Local LED	Display provides two digit readout
Cable types	Calibrated to provide ±3% accuracy Ampere current readings

### Cable Types Supported for the CL-Amp™ Device

Calibration B Value	Cable Types
52.000	Titanex 3G6 3 Core 6mm <sup>2</sup>
60.819	Titanex 3G4 3 Core 4mm <sup>2</sup>
60.252	Lineax 3G4 3 Core 4mm <sup>2</sup>
58.358	Pirelli 3G4 3 Core 4mm <sup>2</sup>
95.142	3 x 1.5 3 Core 1.5mm <sup>2</sup>
113.920	3G1.5 3 Core 1.5mm <sup>2</sup>
61.000	ESSEX ROYAL 10/3 TYPE SOW 90C (-40C) 600V WATER RESISTANT E42608-B(UL) CSA LL35441-B FT2 P-159-18 MSHA
73.750	3x2.5 HO5VV-F TO BS6500
122.675	BKS BS6500 HO5VV-F
75.933	IEMMEQU <HAR> HO7RN-F 3G3.5mm <sup>2</sup> ARISTONCAVI 2008
59.750	Doncaster Cables England 3 Core 4mm <sup>2</sup>
54.580	K-WELL SHIN H07RN-F 3C 6.0mm <sup>2</sup> <VDE>
65.920	FLEXTREME USE<HAR>H07 RN-F-255-3G4 PRYSMIAN
80.280	FLEXTREME USE<HAR>H07 RN-F-255-3G2.5 PRYSMIAN
88.300	H05V V-F 3 x 1.5 mm2 BS 6500 3183V CE



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