Document AC100-CPT Version B 2023

Reference No. 172405

Revision 1

Date 06-SEP-2023

Author AK



**Compact Series** 

## AC100-CPT Load bank



# Light weight, compact load bank providing 100kW of load capacity with digital power metering.

# **Key features**

### Ultra-portable

The high-power density of this load bank results in a construction that, at only 38kg, can be transported easily.

Perfect for conducting load testing in hard-to-reach locations.

## Quick setup

Easy connection to the supply under test using Powerlock connectors. The power connections are located away from the control panel so that operators can comfortably operate the load bank without risk of tripping on cables.

#### Space saving

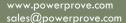
The compact dimensions mean the load bank can easily be accommodated in a service van whilst leaving plenty of space for the other tools and equipment. In addition, the included case with castors and pull handle further enhances. manoeuvrability and provides protection when in storage.

#### Industrial reliability

The innovative cross-wire coil elements are light and durable, proven in braking applications for locomotives and mining trucks.

Power Prove Leicester. LE5 5LZ. United Kingdom





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# **AC100-CPT Technical specification**

**Ratings** 3-phase 1-phase Voltage, V 400 230 50 or 60 Frequency, Hz 2x 6.25 2x 2.08 Load steps, kW 1x 12.5 1x 4.17 3x 8.33 3x 25 100 33.3 Total capacity, kW

Control and ventilation

Manual controls Supply source select,

System on/off, Master load on/off, Load step rotary selectors,

Emergency stop.

Power measurement Panel meter with display

Cooling Forced convection, horizontal orientation

2x Cabinet fans

8x DC fans, axial type

Control supply 230V AC 1-phase 50Hz

Source Internal (supply under test)

or external supply (recommended)

Connection interfaces

Load connections 4x Powerlock drain sockets

(3P+N), M12 PE earth stud

Control supply C14 socket (L+N+PE)

Data downloads USB Type-A

Networking/remote n/a

Safety

Fan(s)

circuit fuse protection

Thermal protection Thermal trip

Airflow status detection

**Operating environment** 

Service condition Indoor use
Ambient temperature 5°C to 40°C

Ingress protection IP21

Accessories

Supply cables Lengths of 5m, 10m or 25m

as standard. Powerlock inline source plugs one end and cable lugs the other.

Data cable USB data cable to connect

power meter to a PC.

Construction

Resistor elements Wire wound coils
Element material Stainless steel

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Enclosure Aluminium and galvanized

sheet steel, painted RAL9002

grey

Manoeuvrability 1 x handle. 1x travel case

with wheels

Weight and dimensions

Unit only With case
Length, mm 579 725
Width, mm 313 416
Height, mm 718 856
Weight, kg 30 48

Drawing reference 172232

Testing and standards

Every unit is subjected to routine testing before dispatch, including functional operation, electrical

insulation testing and visual inspection.

Declaration of conformity document reference

172406.

**Documentation** 

Supplied with an operation and maintenance manual and routine test report as standard.

Warranty

The equipment is covered by a 12-month warranty.



