

Standard Series

AC200 Load bank



200kW load bank with integrated touchscreen control system providing the ultimate way to verify an electrical supply.

Key features

Advanced interface

The unique Digiload control system provides detailed insight into how the supply under test responds to load changes. The integrated touchscreen interface can be used to manually change the load power level or setup an automated schedule of load steps. Once created, load step sequences can be saved and recalled at any time.

Quick setup

Powersafe connectors fitted to the main load terminals make connection to the supply under test simple, fast, and secure. The power connections are located away from the control panel. With power connected, the 7" intuitive touchscreen interface enables load to be applied rapidly, with real time measurements displayed immediately.

Portable

Transport to any location with integrated forklift points. Move around on-site using heavy duty castors, which are included as standard. Alternatively, the design can be installed in a fixed location, when requested, the heavy-duty castors are replaced with mounting brackets with holes for anchor bolts.

Robust construction

The resistor elements used are from our catalogue of highly robust industrial stamped grid technology using stainless steel. The construction puts the cooling airflow in direct contact with the conductor surface to maximise heat transfer, thus providing the longest possible operating life for the elements.



AC200 Technical Specification

Load Ratings

	3-phase	1-phase
Voltage, V	400	230
Frequency, Hz	50 or 60*	
Load steps, kW	1x 5 1x 10 1x 15 1x 20 1x 50 1x 100	1x 1.67 1x 3.33 1x 5.00 1x 6.67 1x 16.7 1x 33.3
Total load, kW	200	66.7

Control and ventilation

General controls	Supply source rotary isolator, fan start/stop and emergency stop buttons.
Load control interface	7-inch touchscreen display
Cooling	Forced convection, horizontal orientation
Fan(s)	1x 2.7kW Axial fan, 2x cabinet fans
Noise	Approx. 88dB at 1m
Control supply	400V AC 3-phase 50Hz
Source	Internal (supply under test) or external (recommended)

Connection interfaces

Load connections	5x Powerlock plugs (drain); 3P, N & PE
Ext. control supply	1x EN 60309 5-pin 16A (inlet); 3P, N & PE.
Data downloads	1x USB Type A
Networking/remote	1x RJ45 (data), 1x 8-pin (remote power and e-stop)

Safety

Electrical protection	Over current and short circuit fuse protection Over voltage protection (via control system)
Thermal protection	Thermal trips for load and control compartments Airflow status

Operating environment

Service condition	Outdoor use
Ambient temperature	5°C to 40°C
Ingress protection	IP23 (load), IP54 (controls)

Accessories

Supply cables	Lengths of 5m, 10m, 25m as standard. Terminated each end with Powerlock source sockets and cable lugs.
Storage cover	PVC cover for transport or storage of the unit.
Remote control	Digiload controller enables remote control of the load bank via a wired connection.

Construction

Resistor elements	Stamped grid and wire coils
Element material	Stainless steel
Enclosure material	Pre-galvanise steel, painted RAL9002
Manoeuvrability	4x heavy-duty castors 1x pull handle

Weight and dimensions

Drawing reference	164043
Length, mm	1270
Width, mm	894
Height, mm	1370
Weight, kg	300

Quality assurance

Every unit is subjected to routine testing before despatch, including functional operation, electrical insulation testing.

Documentation

Supplied with operating & maintenance manual and routine test report as standard.

Warranty

The equipment is covered by a 12-month warranty.

* 60Hz only when controls supplied from external source.