Document	AC30-PRO Datasheet
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PRO Series

AC30-PRO Load bank

Heavy-duty, robust load bank providing 30kW of load capacity, with digital control, power metering and data logging.

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

Standard IEC 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" touchscreen interface enables load to be applied rapidly, with real time measurements displayed immediately.

Portable

The design uses four AC axial fans to create an evenly distributed airflow in a compact resistor duct making the design perfect to using in testing areas. Move around on-site easily on the heavy-duty castors.

Robust construction

The resistor technology comes from our highly robust industrial catalogue of elements; expanded mesh and tape wound mica card technologies made from 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.

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AC30- PRO Technical specification

Ratings

	3-phase	1-phase
Voltage, V	400	230
Frequency, Hz	50 or 60	
Load steps, kW	1	0.33
	2x 2	2x 0.66
	5	1.66
	2x 10	2x 3.3
Total capacity, kW	30	10

Accessories

Remote control	The Digiload remote control provides the ability to control the load bank remotely via a wired connection.
Supply cables	Lengths of 5m, 10m or 25m as standard. IEC inline source sockets on one end and cable lugs the other
Storage cover	PVC cover for transport or storage of the unit.

Control and ventilation

Manual controls	Supply source select, System on/off, 1/3-phase mode select, Emergency stop.
Interface	7” touch screen display
Cooling	Forced convection, vertical orientation, horizontal outlet
Fan(s)	4x AC axial fans
Control supply	230V AC 1-phase 50Hz
Source	Internal (supply under test) or external supply (recommended)

Connection interfaces

Load connections	1x 3-Phase 63A IEC panel plug (3P+N+PE), 1x 1-phase 63A IEC panel plug.
Control supply	1 x C14 230V 1-phase panel plug (L+N+PE)
Data downloads	USB Type-A
Networking/remote	1x RJ45, 1x 9-pin logic connector

Safety

Electrical protection	Over current and short circuit fuse protection
Thermal protection	Thermal trips for load and control compartments

Operating environment

Service condition	Indoor use
Ambient temperature	5°C to 40°C
Ingress protection	IP20 Load enclosure

Construction

Resistor elements	Expanded mesh and steel tape wound mica cards
Element material	Stainless steel
Enclosure	Aluminium, painted RAL9002 grey with stainless steel wheel brackets
Manoeuvrability	4 x heavy duty castors (2 braked), 2 handles

Weight and dimensions

Length, mm	709
Width, mm	397
Height, mm	884
Weight, kg	40
Drawing reference	168898

Testing and standards

Every unit is subjected to routine testing before dispatch, including functional operation, electrical insulation testing and visual inspection.

Documentation

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

Warranty

The equipment is covered by a 12-month warranty.