

DC70 Series

DC70 Load bank



Light weight, compact load bank providing 3kW of load capacity; 70A from a 50V source.

Key features

Portability

Lightweight enclosure, manufactured from aluminium and fitted with a carrying handle on the removable lid, which is also used for cable storage.

Easy to use

Load banks are supplied with two power cables with quick release connectors. Included with the unit is one set of (2 x) 25mm² cable, 2.4m long with M10 lugs for supply side connection.

Precise control

6 switched load steps including a fully variable section provide a load bank with precise control.

Current measurement

Fitted with a DC shunt for accurate current monitoring, the DC70 provides 2 banana plugs for connection to an external display and/or logging system.

Optional extras

- **Additional supply cables** – available in 5m lengths as standard or made to custom length if requested, with supply side connection method to suit the intended use.
- **Protective PVC cover** - available for protection during transport or storage.



Ratings

Voltage, V DC	50
Maximum capacity, kW	3
Current range, A	0.6 to 70

Control and ventilation

Manual controls	6 x Load section toggle switch 1 x Rheostat variable section control
Control interface	Manual controls (described above) 1 x Current shunt with 100A/100mV ratio
Cooling	Forced convection, horizontal cooling
Fan(s)	2 x DC axial type
Control supply	48V DC
Source	Internal, taken from supply under test

Connection interfaces

Load controls	2 x Quick release connectors (1 cable set included)
Measurement connections	2 x 4mm Banana sockets

Safety

Electrical protection	Over current and short circuit fuse protection
-----------------------	--

Operating environment

Suitable for	Indoor use only
Ambient temperature	-10°C to 50°C
Humidity	95% RH
Ingress protection	IP20

Construction

Resistor elements	Wound steel tape
Element material	High grade stainless steel
Enclosure	Aluminium; painted RAL9002 grey
Portability	1 x protective lid with integrated carry handle

Weight and dimensions

See general arrangement drawing reference 161509

Length, mm	400
Width, mm	200
Height, mm	500
Weight, kg	10

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: 161510



Documentation

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

Training and support

Training can be provided by the manufacturer at our headquarters or on-site, please contact our support team to find out more.

Warranty

The equipment is covered by a 12-month warranty.