

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

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

Safety

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|-----------------------|--|
| 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.