

DUAL30 Series

## DUAL30 Load bank



**Designed to test a wide range of electrical supplies from batteries to uninterruptible power supplies (UPS) and standby generators.**

### Key features

#### Testing flexibility

The ability to test power sources producing either AC or DC with the same unit makes the DUAL30 a very adaptable piece of test equipment. Test at 120V or 240V either 1-phase AC or DC.

#### Portability

The four heavy duty castors, three handles and a compact form factor make this unit easy to move close to the supply under inspection. In addition, the width of just 500mm makes it easy to move the unit through building doorways.

#### Quick setup

Easy connection to the supply under test using bolted stud connections. The power connections are located to the back of the control panel so that operators can stand comfortably in front of the load bank without tripping over cables.

#### Power measurement

The DUAL30 includes analogue voltmeter and ammeter, providing easy to read real-time measurements. In addition, panel mounted banana sockets permit external logging of current.

### Optional extras

- **Supply cables** - made to order to the desired length and with supply side connection method to suit the intended use.
- **Protective PVC cover** - available for additional protection during transport or storage
- **Measurement leads** - with 4mm banana plugs for voltage and current feed to external meter.



## Ratings

	1-phase AC	DC
Voltage, V AC	120 or 240	120 or 240
Frequency, Hz	50 or 60	n/a
Load step resolution, kW	0.5	0.5
Maximum capacity, kW	31.5	31.5

## Control and ventilation

Manual controls	12 x on/off push buttons for load sections, 1 x link bar to select 120V or 240V operation
Control interface	Manual Control (described above) 6 x load section lamps 1 x control fan healthy lamp 1 x analogue voltmeter 1 x analogue ammeter
Cooling	Forced convection, horizontal orientation
Fan(s)	1 x AC axial type
Control supply	110V AC 1-phase
Source	Internal (supply under test) or external supply (automatic, when connected)

## Connection interfaces

Load controls	4 x M16 brass threaded studs (1P/+, 2 x voltage-link, N/-)
External control supply	1 x C14 socket for 230V AC (L+N+PE) 1 x socket for 110V AC (L+N+PE)
Measurement points	2 x panel mounted 4mm banana sockets for external current measurement

## Safety

Thermal protection	Over temperature thermostat cut-out
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## Operating environment

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

## Construction

Resistor elements	Expanded mesh and wound steel tape
Element material	High grade stainless steel
Enclosure	Aluminium; painted RAL9002 grey
Portability	3 x handles 4 x castor wheels

## Weight and dimensions

See general arrangement drawing reference 161509

Length, mm	600
Width, mm	500
Height, mm	800
Weight, kg	50

## 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: 161516



## 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.