

Checkmaster 600R

Resistive load for Calibration, Validation and Function test of welding power sources



*Checkmaster 600R
with optional wheel kit*

Applications

Repair and Maintenance of Welding Equipment
Calibration, Validation and Consistency Testing
Workshop and Field Repair

The Checkmaster 600R functions as a resistive load bank tailored for simulating arc welding, compliant with IEC 60974-14 and ISO 17662 standards. Equippable with calibrated measurement instruments, it's ideal for calibration/validation and testing welding systems. Automated load switching enhances user safety, compatible with welding power sources from 150A to 500A, covering various processes like GMAW, GTAW, SAW, and SMAW.

When linked with the ESAB WeldScanner, minimal user intervention is needed for calibration/validation, leading to time efficiency. Integration with the WeldScanner allows parallel operation of two Checkmaster 600R units, automatically switching resistive loads simultaneously. This streamlines large-scale measurement tasks and supports calibrations up to 1200A.

- Unique design facilitates faster and easier calibrations and validations
- DC current capability from 0 to 600 Amps
- DC voltage capability from 0 to 40 Volts
- AC current capability from 0 to 420 Amps (600 Amps peak) with true RMS for sinusoidal waveforms
- AC voltage capability from 0 to 40 Volts (60V peak) with true RMS for sinusoidal waveforms
- Equipped with gas flow socket (GM30L series), wire feed speed socket (DV25 series), and traversal speed socket
- Enables calibration and validation to meet IEC 60974-14 and ISO17662 standards, aligning with ISO 9001-based Quality Systems requirements
- Features extra stable resistive load elements and GTAW high-frequency ignition proof
- Calibration is traceable to national standards
- Option for trolley and wheel kit for added mobility

Visit **esab.com** for more information.



*Rustler 350C PRO Synergic with
Checkmaster 600R P350/500 and
WeldScanner*

Checkmaster 600R

Specifications

Mains Voltage	100-230 VAC 50/60 Hz 2ph
Fuse Slow	Max 2.5 A at 230 VAC / Max 5 A at 115 VAC
Welding Output	600 A / 40 V at 30% Duty Cycle 250 A / 30 V at 100% Duty Cycle
Load Range	12-600 A
Open Circuit VDC Max input.	141 VDC / VAC Peak level
Enclosure Class	IP21
Operating Temperature $\pm$ 10 K	25 °C (77 °F)
Storage Temperature	+5 to 70 °C (40 to 160 °F)
Certification Mark (Standards)	CE / UL
Dimensions	280 x 440 x 713 mm (11 x 17.3 x 28.1 in.)
Weight (excluding cables)	49.4 kg (109 lbs)

Ordering Information

Description	Part Number
Checkmaster 600R *1	HKS0020011
Checkmaster 600R P350/500 *2	HKS0020012
WeldScanner Validator Checkmaster 600R Package *3	HKS0003100

*1 Item includes Checkmaster 600R, Mains cable for 1ph 230VAC (CEE 7/7), Connection Cable 5m,

*2 Item includes Checkmaster 600R, Mains cable for 1ph 230VAC (CEE 7/7), Connection Cable 5m, P350/500 Current & Voltage Sensor

*3 Item includes Checkmaster 600R, Mains cable for 1ph 230VAC (CEE 7/7), Connection Cable 5m, P350/500 Current & Voltage Sensor, WeldScanner S3 incl. Validator Software, Keyboard EU, Wire Feed Sensor DV25 M, Voltage plugs OKC, Euro connector to OKC adapter, Robust case.

Checkmaster 600R and sensors delivered with printed calibration certificates traceable to national standards.

Recommended recalibration interval: annually.

Options & Accessories

Description	Part Number
4-wheel Trolley	0349313450
Wheel Kit	0465416880
Mains Cable NEMA 5-15R	HKS0003103
Mains Cable CEE7/7	HKS0003104
Plugs for Voltage Feedback OKC	HKS0000322
Euro style to OKC Adapter	B01P701012
Tweco to Euro style Adapter	25352192
Checkmaster Lead Package OKC	HKS0003101
Wire feed speed Sensor DV25M	HKS0001428
Gas Flow Sensor GM-30 L 10B	HKS0001425
Manual Control for Checkmaster 600R	HKS0003102
Calibration Process Sensor	HKS0002417
Recalibration Gasflow Sensor	HKS0000204
Calibration Lables 100 PCE	HKS0003105



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