

ASCO® LOAD BANKS

5000 SERIES



AVTRON

ASCO®

5000 SERIES LOAD BANKS

ASCO Avtron 5000 SERIES load banks are outdoor rated trailer mounted resistive units for power testing at unity power factor. Based on a rugged, heavy duty construction, 5000 SERIES are intended for continuous use and are built to withstand the rigors of varying climatic work site conditions.

All models can be customized for a particular application and are available from 200-3000 kW with a wide voltage test range. Each model in the 5000 SERIES range has common design features which results in a proven reliable load bank at a cost effective price. Local manual control is standard on the 5000 SERIES. SIGMA control and other digital controls are available as an option when networking, modbus, or building management system (BMS) interface is required.

Typical 5000 SERIES load bank applications include mission critical, data centers, rental, service and generator maintenance, OEM's, and renewable energy.

As well as the 5000 SERIES, an extensive range of other load bank SERIES are also available.

5000 SERIES MODELS

For more detailed technical specifications, please refer to the relevant model specific technical data sheet.

Model Name	Capacity (kW)	Frequencies Available (Hz)	Voltage Range (V)	Ambient Temperature Range	Hot Air Discharge Direction	Control Options	Optional Extras
5500	200-500	50, 60, 50/60	400-600	-20°F to 120°F	Horizontal	Local Manual Control, Pilot Relays, Remote I/O, PLC, SIGMA	Control Power Transformer, Auto Load Control, Arctic Grade, Fine Resolution
5600	500-1250	50, 60, 50/60	400-600	-20°F to 120°F	Horizontal	Local Manual Control, Pilot Relays, Remote I/O, PLC, SIGMA	Control Power Transformer, Auto Load Control, Arctic Grade, Fine Resolution, Quick Connect Cable Receptacles
5800	400-3000	50, 60, 50/60	400-600	-20°F to 120°F	Vertical	Local Manual Control, Pilot Relays, Remote I/O, PLC, SIGMA	Control Power Transformer, Auto Load Control, Arctic Grade, Fine Resolution, Quick Connect Cable Receptacles
5900	1000-2500	50, 60, 50/60	400-600	-20°F to 120°F	Horizontal	Local Manual Control, Pilot Relays, Remote I/O, PLC, SIGMA	Control Power Transformer, Auto Load Control, Arctic Grade, Fine Resolution

SIGMA PLATFORM



SIGMA is a multi functional embedded load control system specifically designed for ASCO Avtron and ASCO Froment load banks. Flexible, Feature Rich, and Cost Effective it is best-in-class providing a solution for any application.

SIGMA gives intelligent, fast, user-friendly, accurate control and instrumentation with outstanding test features and data acquisition capabilities. It brings cost effective solutions to today's power testing requirements which require high level instrumentation, data capture and verification to ISO 8528. SIGMA has the ability to network multiple load banks and control from one hand-held or PC. Alternatively, integrate SIGMA with existing BMS, Modbus, or SCADA systems for unified site control. For more information please see our SIGMA control brochure.



Resistive Only



Capacities from 200 - 3000 kW



Controls: Local Manual, SIGMA



Trailer Ready or Trailer Mounted Options



TECHNICAL FEATURES

5000 SERIES load banks are designed and manufactured with a number of unique technical features to provide reliable and accurate load testing for any application.

- 1 Quick Connect Cable Receptacles** (model dependent) allows for quick and safe load connection.
- 2 Main Load Bus and Control Area** bolt on and hinged panel allows access to load contactors, branch fusing, and input bus bars.
- 3 Branch Circuit Fuse Protection** is provided to limit fault current and protect components in the unlikely event of a phase to phase or phase to ground short.
- 4 Load Contactors** are properly engineered to match the required load step value.
- 5 Hinged Panel** provided for main load bus access.
- 6 Local Control Monitoring Panel** housed in a rugged enclosure with hinged door for operator interface. System control and digital monitoring are designed for straight forward, logical operation.
- 7 Safety & Warning Labels** are positioned across the unit to alert user prior to operation.
- 8 Aluminized Steel Construction with Powder Coat Paint Finish** are utilized for superior heat deflection and corrosion protection
- 9 Hot Air Exhaust Louver** will direct hot air downward and away from personnel.
- 10 Travel Covers** are provided on both intake and exhaust louvers.
- 11 Cool Air Intake Louver** allows cool air intake and prevents foreign object damage.
- 12 Blower Motor and Fan Blade** are integral to load bank and engineered to provide proper cooling CFM and motor circuit protection.
- 13 Control Enclosure Vents** allow proper ventilation in control area.
- 14 Motorized Cable Reels** (optional) wide variety of cable storage options available.
- 15 DOT Legal Trailer** (optional) designed with factory setup of proper tongue weight.

Model 5600 shown



**PROOF OF
POWER ANYWHERE**

ASCO® Power Technologies - Avtron Load Banks

6255 Halle Drive
Cleveland, OH 44125

USA

Tel: 216 573 7600

loadbanks.ascopower.com

customercare@ascopower.com

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