



Avtron 2000 SERIES Portable Load Banks



avtronpower.com

AVTRON
POWER SOLUTIONS

Avtron 2000 SERIES Load Banks

Avtron 2000 SERIES load banks are indoor rated resistive units for testing power sources at unity power factor.

Featuring rugged, heavy-duty construction, 2000 SERIES load banks are designed for continuous indoor use. Highly maneuverable, these models are easily moved through building doorways and elevators to provide load where needed. They are readily transported from site-to-site.

Models from 5 to 700kW are available for wide range of voltages. SIGMA LT controls are available on most models and can control multiple load banks to achieve larger test capacities. 2000 SERIES load banks are suited for mission-critical, data center, equipment rental, service and generator maintenance, factory testing, and renewable energy applications.



Model 2705
Load Bank

Product Knowledge

[Load Bank Overview Brochure](#)

[Applications for Movable Load Banks](#)

-  Resistive Only
-  Capacities from 5 to 700kW
-  Local Manual, SIGMA LT Controls
-  Hand-Held, Suitcase, or Casters

2000 SERIES Features

2000 SERIES load banks present unique features that provide reliable and accurate load testing for portable applications.



500kW Model 2805
Load Bank



The easy-to-use SIGMA LT controller brings best-in-class benefits and capabilities to your fingertips.

- 1** Avtron designs and manufactures Helidyne Resistor Elements to provide extended, reliable performance. Corrosion-resistant chromium alloy provides years of trouble-free service.
- 2** Segmented Ceramic Insulators and Stainless Steel Rods provide unmatched element support and reliability.
- 3** Local SIGMA LT Control Panel with digital push buttons and full digital monitoring.
- 4** Branch Circuit Fuse Protection limits fault current and protects components during phase-to-phase or phase-to-ground shorts.
- 5** Differential Air Pressure Switch protects unit by dropping applied load if proper cooling airflow is not detected.
- 6** Quick Connect Cable Receptacles speed connection to generators or power distribution systems.
- 7** Lifting Eyes for overhead lifting.
- 8** Transport Handles promote maneuverability.
- 9** Ground Quick Connect Cable Access for proper grounding during operation.
- 10** Integrated Cooling Motor Assembly provides proper cooling airflow and motor circuit protection.
- 11** Screens on three sides allow cool air intake and prevents damage from foreign objects.
- 12** Swivel Casters for maneuverability.
- 13** Fixed Casters for easy transport.
- 14** Forklift Pockets are provided for transport and lifting.
- 15** Screened hot air stream exhaust.

SIGMA LT Control


SIGMA is the embedded multifunction control platform for Avtron load banks. It is flexible, feature-rich, and cost-effective. The platform offers intelligent, accurate, and user-friendly control. This provides facilities with best-in-class test and data acquisition capabilities, including:

- ability to network multiple load banks
- control for one or many load banks from a single computer or a hand-held device
- communication with building management, Modbus, or SCADA systems for unified site control





SIGMA LT is an easy-to-use control system for select Avtron 2000 and 3000 SERIES load banks. It provides essential load test capabilities through digital toggle switches or a hand-held controller.

Product Knowledge

 [SIGMA Load Control Overview Brochure](#)

 [SIGMA LT Brochure](#)

 [Benefits of Networking Load Banks](#)

 [Streamlining Data Center Power and Cooling Tests with SIGMA LT](#)

2000 SERIES Specifications

Model Name	Capacity	Frequencies Available (Hz)	Voltage Range (V)	Ambient Temperature Range	Hot Air Discharge Direction	Control Options	Optional Extras
2500	100 kW	50, 60	240/480, 600	-20°F to 120°F	Horizontal	Local Manual	N/A
2600	25-75 kW, 1 PH		120/240, 240				Cable Set
2600	55-75 kW, 3 PH		208, 240/480				
2705	100 kW	60	240/480	-20°F to 120°F	Horizontal	Local Digital Toggle	SIGMA LT Hand-Held Control, Cable Set, Transport Case
2755	265 kW						
2775	265 kW						
2805	400, 500 kW						
2905	700 kW				Vertical		

2000 SERIES Models

Avtron 2000 SERIES Load Banks are available in the following configurations and can be customized to meet the specific application needs.

Local Manual



2500 | 100 kW



2600 | 25-75 kW, 1 Phase
2600 | 55-75 kW, 3 Phase

SIGMA LT



2705 | 100 kW



2755 | 265 kW



2775 | 265 kW



2805 | 400 kW
2805 | 500 kW



2905 | 700 kW

Follow the links to web page for each model.



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