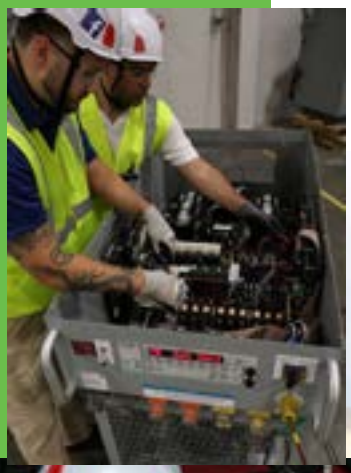
AVTRON
POWER SOLUTIONS









Load Banks
Field Service & Maintenance

avtronpower.com

AVTRON
POWER SOLUTIONS

SERVICE & MAINTENANCE

Protecting Critical Power. Ensuring Performance. Delivering Confidence.

As the global leader in load bank technology, Avtron Power Solutions helps organizations worldwide maintain the reliability of the critical power systems they depend on every day.

Preventative maintenance, calibration, commissioning and lifecycle support from the experts who know your load bank best.



Keep Your Load Bank Performing at Its Best

Avtron load banks are engineered for exceptional durability and long service life. However, even the most robust equipment benefits from routine preventative maintenance to ensure continued safe, reliable and accurate operation.

Scheduled servicing by factory-trained Avtron technicians helps maximize equipment performance, maintain testing accuracy, and reduce the risk of unexpected downtime.

With flexible maintenance schedules, software updates, calibration services and expert support, Avtron keeps your load bank operating exactly as intended.

Designed for Reliability.

Maintained for Performance.

THE IMPORTANCE OF LOAD BANK MAINTENANCE

Accurate Load Simulation

When validating generators, UPS systems and critical power infrastructure, accuracy matters.

Routine maintenance verifies the performance of switches, protection devices, phase rotation relays, resistive elements and temperature sensors, ensuring your load bank accurately replicates real-world loading conditions during testing and mains failure scenarios.

Maximizing Uptime & Performance

Load banks are designed for decades of reliable service, but like any electrical equipment, they require ongoing care.

Preventative maintenance identifies wear, aging components and developing issues before they become costly failures, helping to maximize equipment availability and extend operational life.

Supporting Safety Compliance

Safe operation requires proper equipment positioning, unrestricted airflow and a controlled operating environment.

Regular inspections by trained Avtron technicians help identify environmental risks, operational concerns and safety issues before they affect performance or compliance.



Why Choose Avtron?

Global Market Leader

Recognized worldwide as the leading load bank manufacturer, Avtron delivers trusted power testing solutions to data centres, utilities, healthcare facilities, defence organizations and critical infrastructure operators across the globe.

Largest Load Bank Portfolio in the Industry

From portable solutions to multi-megawatt systems, Avtron offers the industry's broadest range of:

- Resistive Load Banks
- Reactive Load Banks
- Combined Load Banks
- DC Load Banks
- Medium Voltage Systems
- Custom Engineered Solutions



Resistive



Reactive



Combined

Decades of Industry Heritage

Built on decades of engineering excellence and continuous innovation, Avtron has helped define the global load bank industry by setting standards for performance, reliability and testing accuracy.

Market-Leading SIGMA Control

Our intelligent SIGMA platform delivers:

- Class 0.5 precision
- Advanced automation
- High-resolution diagnostics
- Accurate data capture
- Repeatable testing results



Complete Lifecycle Support

Unlike many providers, Avtron supports every phase of equipment ownership:

Design. Manufacture. Rental. Service. Support.

One trusted partner throughout the lifespan of your load bank.

Calibration Traceable to UKAS & ISO Standards

Our calibration services ensure electrical load accuracy over a 12-month period, providing confidence that your equipment continues to perform exactly as specified.

AVTRON SERVICE CONTRACTS

Priority Support. Reduced Downtime. Complete Peace of Mind.

Customers with Avtron Service Contracts receive priority access to factory-trained specialists and technical resources, ensuring rapid support whenever it is needed.

Engineering Support

- Priority access to Avtron service technicians
- Telephone technical assistance
- Preferential service rates
- Priority site attendance for critical issues

Software Upgrades

- Latest compatible load bank firmware
- SIGMA software updates
- Performance enhancements
- New functionality and compatibility support

Hardware Upgrades

- Replacement of obsolete components
- Extended equipment life
- Reduced risk of downtime
- Improved system reliability

SCAN to View Our Load Bank Commissioning Video



The Avtron Service Promise

Load banks should only be serviced by trained professionals.

Every Avtron service visit follows a comprehensive inspection and maintenance process designed to maximise performance, improve reliability and identify potential issues before they become failures.

Canopy/Container Exterior

- Inspect exterior surfaces for corrosion or damage
- Verify safe operation of all doors and panels
- Test control sockets and emergency stops
- Inspect warning lamps and safety labels
- Confirm air intakes and exhausts are unobstructed
- Priority site attendance for critical issues

Mechanical Tests

- Verify tightness of all electrical connections
- Inspect cables and crimps for damage or overheating
- Inspect elements and supports for signs of damage
- Check fan operation, rotation and airflow switches
- Test all fuses for continuity
- Inspect contactors for wear or damage

Electrical Tests (Isolated)

- Test switches and overload protection
- Verify operation of phase rotation relays
- Test temperature sensors
- Measure resistive and reactive values
- Record insulation resistance between phases and earth

Electrical Tests (Auxiliary Power Required)

- Evaluate fan noise, vibration and airflow
- Check contactor performance throughout each load step
- Test emergency shut-down circuits

Electrical Tests (Test Source Required)

- Calibrate Voltage and Current Transformers on each phase
- Perform individual load-step testing
- Verify true power capacity using SIGMA Diagnostics
- Record equipment instrumentation performance

Additional Service Items

- Full internal clean
- Replace perishable components where fitted (lamps, air filters, etc.)
- Verify anti-condensation heater performance
- Check internal earthing connections
- Install latest compatible software version

Detailed Reporting Included

Every service includes a comprehensive inspection report identifying damaged, worn or failed components and providing recommendations for corrective action.

DELIVERING OUTCOMES THROUGH SERVICE

Ensuring Critical Power Is Available When the World Needs It

This is what drives Avtron.

Our service organization plays a critical role in helping customers maintain reliable critical power systems that perform when failure is simply not an option. Whether supporting data centers, hospitals, utilities, manufacturing facilities or defense operations, our focus remains the same: Ensuring Avtron equipment delivers the performance our customers depend on. Because when critical power is required, there is no room for uncertainty.

IT STARTS WITH START-UP

Proper Commissioning Ensures

- ✓ Load bank functionality is verified
- ✓ Critical power systems perform as designed
- ✓ Installation-related issues are identified early
- ✓ Equipment damage risks are reduced

During commissioning, factory-trained technicians verify:

- Hardware condition
- Wiring terminations
- Airflow requirements
- Exhaust direction
- Debris-free operation
- Load step functionality
- Control system performance

We also provide practical operator training, giving facility teams the confidence and knowledge required for safe operation.

Avtron University

It Endures Through Maintenance

High-performing equipment requires ongoing care.

Regular maintenance helps optimize:

- Contactors
- Elements
- Motor lubrication
- Moving components
- Torqued connections
- Equipment cleanliness
- Control software

Routine servicing ensures facilities can continue delivering the uptime, reliability and operational excellence their customers expect.



AVTRON'S GLOBAL PRESENCE

Avtron Power Solutions operates throughout North America, Europe and key international markets, supported by regional engineering technicians and a worldwide service network.

Our global footprint enables:

- Rapid response
- Local expertise
- Consistent service standards
- Worldwide lifecycle support

Wherever your equipment is installed, Avtron has the resources and expertise to keep it operating at peak performance.

Contact Avtron Power Solutions

US & Canada
+1 (216) 573-7600

Rest of the World
+44 1780 920 100

Visit Our Website:



AVTRON
POWER SOLUTIONS

www.avtronpower.com

Avtron Power Solutions
6255 Halle Drive
Cleveland, OH 44125, USA
Tel: 216 573 7600

Cliffe Road, Easton-on-the-Hill
Stamford PE9 3NP, United Kingdom
Tel: +44 (0) 1780 480033

customercare@avtronpower.com

© 2026 Avtron Power Solutions. All Rights Reserved.
Publication 5567 Rev -