

## **Analog AC Load Bank Specifications**

### **1. Summary**

This document describes the specific requirements for an Analog AC load bank. Load parameters measured and/or displayed by a load bank should include:

- Test Voltage
- Load Current
- Load Frequency
- Load Rate (Power)
- Load Phase

### **2. System Composition**

The load bank requires the following components unless stated as optional:

<b>Load Bank Body</b>	Portable load bank body designed with a rugged construction frame, to be used for field servicing and testing of generators, UPS systems, and other critical AC power sources.
<b>Test Cables</b>	10' insulated cables used to carry load between generator and load bank.
<b>Carrying Case</b>	Padded, lockable case for storage and transportation of load bank and test cables.

### **3. Load Bank Capabilities**

3.1 The load bank measures and/or displays the following test parameters:

- Test Voltage
- Load Current
- Load Frequency
- Load Rate (Power)
- Load Phase

3.2 Analog meters/switches on frontside of load bank indicate test parameters in real-time during a test.

3.3 Self-contained, portable unit designed to withstand harsh testing environments.

3.4 Fan switches, load step switches, and master load switch are user friendly and accessible on the load bank body.

3.5 Equipped with standard safety features including power indicator lights, branch circuit fuse protection, automatic overtemperature shutdown and secure quick-connect cables.

### **4. Hardware Performance**

4.1 Single phase and three phase testing possible with single load bank.

4.2 Auto sensing of system voltage via test cables.

4.3 No regular maintenance of load bank required.

## 5. Technical Specifications

<b>Load Power Range:</b>	0 – 120 kW (varies based on specific model)
<b>Load Voltages:</b>	120 VAC Single Phase 240 VAC Single Phase 200 VAC Three Phase (varies based on specific model) 208 VAC Three Phase 240 VAC Three Phase 480 VAC Three Phase
<b>Load Frequency:</b>	60 Hz and 400 Hz models available
<b>Meters:</b>	0 – 150 V voltmeter (line to neutral voltage) 0 – 100 A ammeter 55 – 65 Hz frequency meter
<b>Cooling:</b>	Forced air cooling
<b>Safety Features:</b>	Fast acting branch circuit fuse protection on all 3 phases of all load steps  Fused 120 V control circuit  Air pressure switch to prevent load from being applied if loss of cooling air is detected  Over-temperature sensor automatically removes load if an over-temperature condition is detected  Blower Motor circuit is protected by current overload protection  Operator warning and caution statements are located on appropriate access panels and doors

## 6. Warranty

12 months