

AC-LBR-Digital Reactive Load Banks (up to 2500 kVAR / 2500 kVARC)



AC-RLB-Digital Load Bank

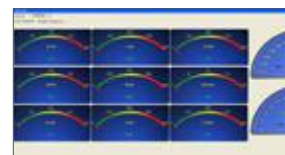
Product Overview

AC-LBR Digital Reactive series load bank solutions from 37.5 kVAR to 2,500 kVAR(C) are designed for permanent or mobile installations. Available in Inductive or Capacitive versions for leading or lagging power factor power system testing. When combined with Digital AC Resistive Load Banks, .8 power factor testing can be performed. Control features include local unit mounted plus remote control by advanced PC software. Includes easily programmed load profile solutions for working with simple to complex testing of generators, UPS systems, Data centers, power supplies, and other critical AC power sources. Eagle Eye designs incorporate a robust steel outer chassis with isolated interior chambers for control and cooling elements. This ensures electrical components are kept away from dirt and debris for long-life reliability in harsh test environments. Permanent outdoor rated units include louvers for added weather protection. All units come with multiple built-in automatic safety shutdowns and manual override shutdown.

Features

- Digital metering for high-precision data read-out
- User controlled manually or through software with programmed load profile
- Detailed data management, analysis, and report generation through software
- Automatic load testing allows user to set custom periods of power and time
- Display of current, voltage, power, power factor, frequency, and time
- Emergency manual stop button for quick termination of load test
- Automatic stop protection for adverse conditions including over-load, over-voltage, high temperature, short-circuit

Advanced Load Control & Data Management Software



Technical Specifications	
Voltage Versions	208, 240, 240/480, 480 & 600 VAC Three Phase Versions Available
kVA Models	37.5 - 2,500 kVAR
Frequency	50/60 Hz
Resolution	1 kVAR
Configuration	Three Phase, 3 wire delta or 4 wire wye
Digital Display	LCD multiple function display meter
Communication	RS232/485, USB port provided
Cooling	Forced air cooling
Environmental	up to 50 °C (122 °F)
Control	Local panel control & remote advanced PC software



Product Overview

Eagle Eye Reactive Load banks are available in Inductive or Capacitive configurations. They are used when testing AC power systems at a leading or lagging power factor. To achieve a complete load test, they are combined in parallel with a resistive load bank for full kVA testing of AC electrical power sources including generator sets or UPS systems to be achieved.

For AC applications, a .8 lagging power factor test combines a resistive and inductive load together. For a leading power factor test, a resistive and capacitive load bank are required.

* Available in portable or stationary configurations.

Typical Load Bank Applications & Markets

System Testing Applications

- AC Power System Commissioning / Start-up
- OEM Factory Production Test Cells
- Product R&D and Endurance Testing
- Engine & Emission OEM R&D Test Cells
- UPS Power System OEM's
- Gas Turbine Testing
- Solar / Wind Power System Testing

Service / Rental Applications

- Generator Set Annual Preventative Maintenance
- Rental Fleet Power Generation Equipment Preventative Maintenance
- Installed Generator Preventative Maintenance
- UPS Power System Testing
- Gen Set Commissioning at startup or recommissioning after system modification
- Switchgear Load Testing
- Marine Power Generation System Testing

Ordering Information

Model No.	Description	Dimensions	Weight	Dimensions	Weight
		380-600 VAC	kg	240/480 VAC	kg
Inductive Load Bank Models					
AC-LBR-37.5	LB-37.5kVAR Digital AC Load Bank	86 x 67 x 78 cm	120	86 x 67 x 78 cm	200
AC-LBR-75	LB-75kVAR Digital AC Load Bank	86 x 67 x 78 cm	120	86 x 67 x 78 cm	200
AC-LBR-112	LB-112kVAR Digital AC Load Bank	100 x 70 x 120 cm	250	100 x 70 x 120 cm	500
AC-LBR-150	LB-150kVAR Digital AC Load Bank	100 x 70 x 120 cm	500	100 x 70 x 120 cm	1100
AC-LBR-300	LB-300kVAR Digital AC Load Bank	154 x 125 x 168 cm	1100	154 x 125 x 168 cm	1100
AC-LBR-375	LB-375kVAR Digital AC Load Bank	154 x 125 x 168 cm	1100	154 x 125 x 168 cm	1100
AC-LBR-500	LB-500kVAR Digital AC Load Bank	244 x 140 x 168 cm	1300	244 x 140 x 168 cm	1300
AC-LBR-750	LB-750kVAR Digital AC Load Bank	240 x 140 x 168 cm	1300	244 x 140 x 168 cm	1300
AC-LBR-1000	LB-1000kVAR Digital AC Load Bank	400 x 243 x 259 cm	6750	400 x 243 x 259 cm	6750
AC-LBR-1125	LB-1125kVAR Digital AC Load Bank	400 x 243 x 259 cm	7150	400 x 243 x 259 cm	7150
AC-LBR-1350	LB-1350kVAR Digital AC Load Bank	400 x 243 x 259 cm	7500	400 x 243 x 259 cm	7500
AC-LBR-1500	LB-1500kVAR Digital AC Load Bank	605 x 243 x 259 cm	8250	605 x 243 x 259 cm	8250
AC-LBR-1750	LB-1750kVAR Digital AC Load Bank	605 x 243 x 259 cm	9000	605 x 243 x 259 cm	9000
AC-LBR-1875	LB-1875kVAR Digital AC Load Bank	605 x 243 x 259 cm	9000	605 x 243 x 259 cm	9000
AC-LBR-2250	LB-2250kVAR Digital AC Load Bank	605 x 243 x 259 cm	9000	605 x 243 x 259 cm	9000
AC-LBR-2500	LB-2500kVAR Digital AC Load Bank	605 x 243 x 259 cm	9000	605 x 243 x 259 cm	9000
Capacitive Load Bank Models					
AC-LBC-500	LB-500kVARC Digital AC Load Bank	244 x 140 x 168 cm	6750	300 x 243 x 259 cm	7150
AC-LBC-750	LB-750kVARC Digital AC Load Bank	244 x 140 x 168 cm	6750	300 x 243 x 259 cm	7150
AC-LBC-1000	LB-1000kVARC Digital AC Load Bank	400 x 243 x 259 cm	6750	400 x 243 x 259 cm	7150
AC-LBC-1125	LB-1125kVARC Digital AC Load Bank	400 x 243 x 259 cm	7150	400 x 243 x 259 cm	7150
AC-LBC-1750	LB-1750kVARC Digital AC Load Bank	605 x 243 x 259 cm	7500	605 x 243 x 259 cm	7500
AC-LBC-1875	LB-1875kVARC Digital AC Load Bank	605 x 243 x 259 cm	7500	605 x 243 x 259 cm	7500
AC-LBC-2250	LB-2250kVARC Digital AC Load Bank	605 x 243 x 259 cm	7500	605 x 243 x 259 cm	7500
AC-LBC-2500	LB-2500kVARC Digital AC Load Bank	605 x 243 x 259 cm	7500	605 x 243 x 259 cm	7500