PA Accessories

Q 2007 - Digital Audio Impedance Meter

REDBACK®

Features

- Suitable for 50V, 70V and 100V line speaker systems up to 5kW
- Also suitable for measuring low Impedance speaker loads of 4 -16Ω
- OLED display shows Impedance and Wattage of the load
- 1Ω to 20KΩ test range
- Auto ranging
- Display accuracy +/-10%
- Push button operation
- System Check Mode (20, 60 or unlimited minutes)
- 5V Rechargeable Lithium Polymer internal battery
- Low battery indication
- Buzzer and Haptic feedback option via Menu access
- USB Charging lead supplied
- Silicon Test Leads supplied
- Soft Carry Case Included
- Rugged yet easy to hold compact hand held case

Overview

The Redback® impedance meter is an absolute necessity for all PA system installers. An impedance meter is critical for accurately measuring low impedance loudspeaker systems, incorporating multiple speakers and crossovers, and for measuring commercial 70V or 100V line speaker systems, which may include many speakers with line transformers and several hundred meters of cable. Trying to measure this type of load is virtually impossible with a standard multimeter. The Redback®Q 2007 measures and calculates loads for both 100V and 70V line systems up to 5k Watts in power. Most impedance meters on the market display the impedance in ohms, leaving the installer to calculate the system wattage. This impedance meter for 'dummies' designed and manufactured by Redback calculates and displays speaker loads in watts.

An inbuilt system check mode produces a 1KHz test tone into the connected speaker line, enabling the operator to check all speakers on the line are working.

System Check Mode

System Check Mode is included for audible testing of larger speaker installations. It allows the Q 2007 to run at full output for a period of either 20 minutes, 60 minutes or continually (refer to the Menu options), so the installer can walk around the install to check sound is present on all speakers.

To activate this mode connect the test leads to the load to be checked, ensure that an amplifier is not connected. Make sure the Q 2007 is OFF then press the "TEST" button and hold for 5 seconds. "SYSTEM CHECK" will display on the LCD and a 1kHz tone will be put out the test leads.

The unit will stay in "System Check Mode" until the time elapses, the "TEST" button is pressed or the battery runs flat.

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