



VL Design's ZM1P measures the impedance of loudspeakers and entire distributed loudspeaker systems as well as individual components (resistors, capacitors, inductors). It will also calculate the wattage that will be produced on an installed loudspeaker system. The ZM1P also features an Overload Protection Circuit that prevents the meter from being damaged from amplifier output overloads up to 120 VAC and a Tone Generator to improve system testing and performance.

ZM1P Specifications:

- Test Frequencies: 100 Hz, 330 Hz, 1 kHz, 10 kHz
- Voltage Ranges:
 - 25V AC: Some USA public schools and institutions
 - 50V AC: International
 - 70V AC: USA Industrial Standard
 - 100V AC: International
- Impedance Measurement Ranges:
 - 0 - 199.9 Ohms
 - 0 - 1999 Ohms
 - 0 - 19.99 kOhms
- Wattage Measurement Ranges:
 - 0 - 19.99 Watts
 - 0 - 199.9 Watts
 - 0 - 1999 Watts
- Accuracy (typical): Impedance +/- 3% / Wattage +/- 2%
- Connectors: Load/Output - Banana Jacks
- Display: 3-1/2 Digit LCD with Battery Low Indicator
- Test Tone: 400mv (-6dBu)
- Power Requirements: 8 "AA" Alkaline Batteries
- Expected Battery Life:
 - Impedance Mode: 35 hours continuous
 - Calculated Watts Mode: 23 hours continuous
- Approvals:
 - CE
 - Emissions: EN 55022 B - FCC Class B
 - Immunity: EN 55024 B
- Size: 3-1/4" W x 8" H x 2-1/4" D
- Weight: 12 oz.
- Case Material: High Impact ABS