

## ZM-104A

### IMPEDANCE METER



The TOA ZM-104A Impedance Meter can measure the rough impedance value of speaker lines easily in the same manner as a circuit tester measures resistance.

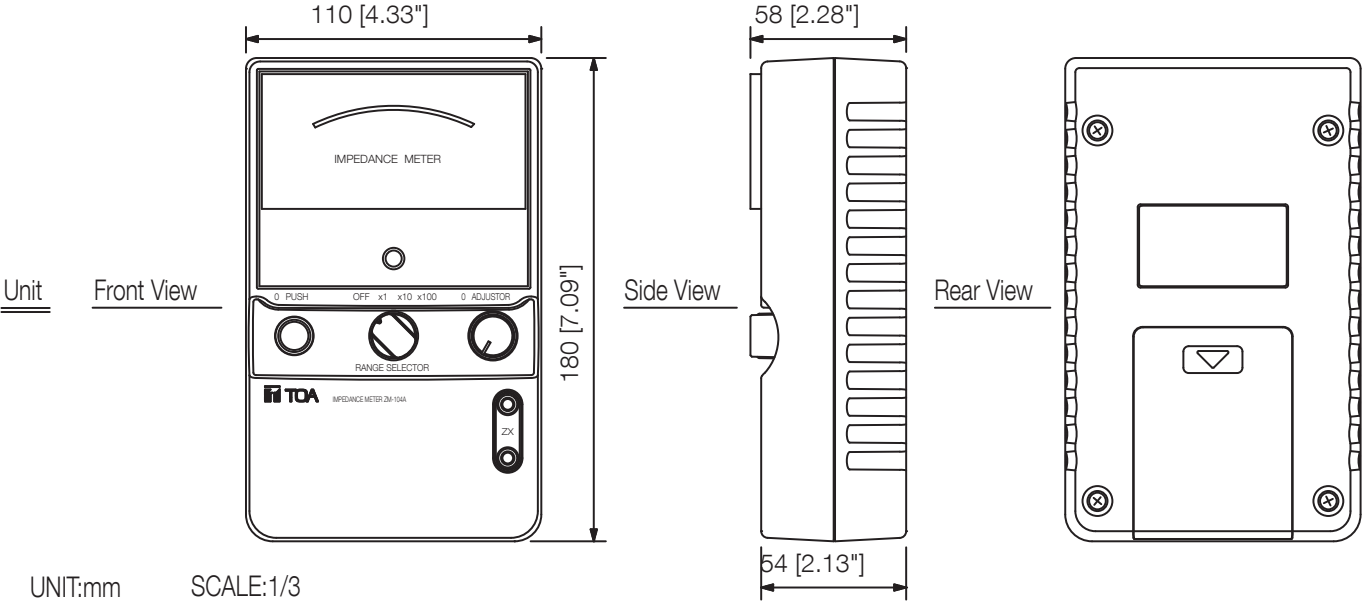
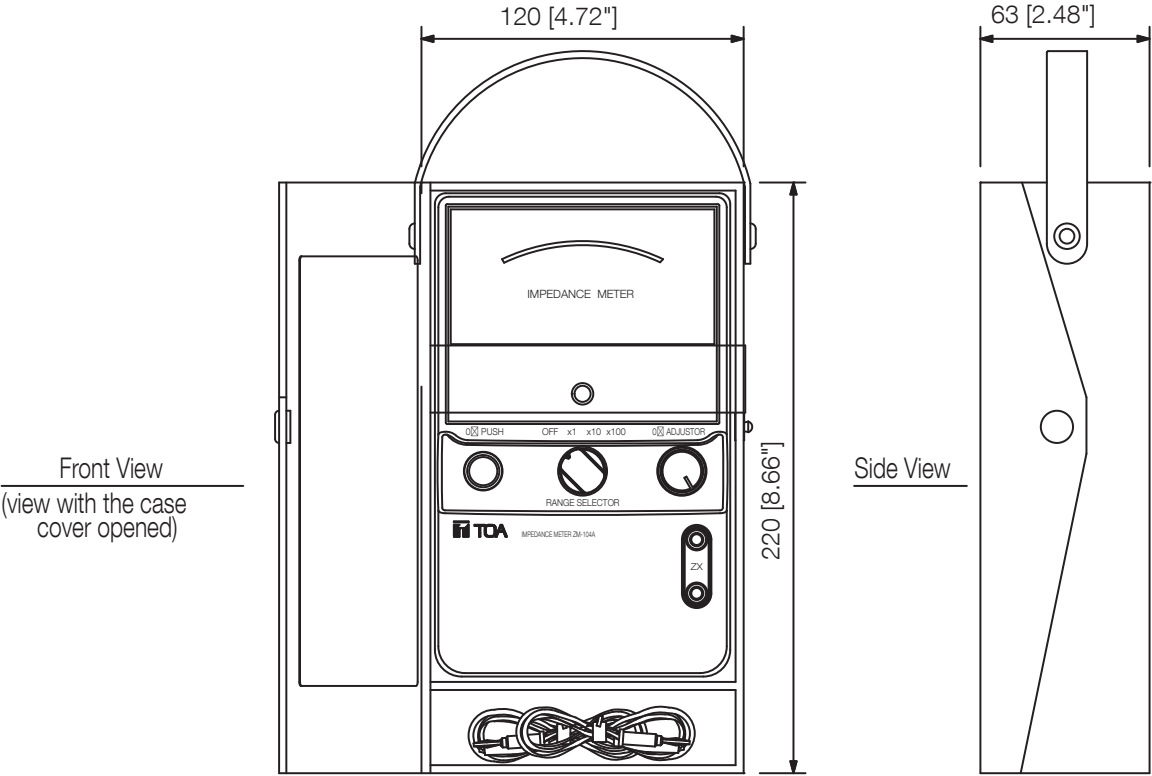
### Key features

- For easy and exact measurement of speaker impedances including long cable length
- Battery driven for mobile use (4 Mignon (AA) batteries)
- One set of batteries for 30 - 60 hours operation time (depending on the measurement range)
- Graphic conversion table impedance-power
- Oscillator generates 1 kHz frequency
- Measurement range of 5 to 100 k $\Omega$
- Comes with a case and one set of test leads

## Specifications

Power Source	R6 x 4 (1.5 V DC x 4)
Current Consumption	39 mA
Reading	Direct reading meter, unit: $\Omega$
Measurement Range	x 1 range: 5 $\Omega$ - 1 k $\Omega$ x 10 range: 50 $\Omega$ - 10 k $\Omega$ x 100 range: 500 $\Omega$ - 100 k $\Omega$
Oscillation Frequency	1 kHz, $\pm 10\%$
Battery Life When Continuously Used	x 1 range: 30 h x 10 range and x 100 range: 60 h
Operating Temperature	-5 # to +40 # (23 # to 104 #)
Dimensions	122 (W) x 222 (H) x 70 (D) mm (4.80" x 8.74" x 2.76") (carrying case) 110 (W) x 180 (H) x 58 (D) mm (4.33" x 7.09" x 2.28") (unit only)
Finish	ABS resin, black
Weight	730 g (1.61 lb) (including carrying case, without batteries)
Included Accessories	Test leads ...1 set
Measurement Category	CAT I

Dimensions



## A&E specifications

Impedance meter to check loudspeakers and loudspeaker circuits 3 Measuring ranges: 5 ohm - 1 k ohm, 50 ohm - 10 k ohm 500 ohm - 100 k ohm Manufacturer: TOA Model: ZM-104A