



Test Artificial Ear

Model: JOJO- JE1602

P/N: JE1602

1. General Introduction

JE1602 Artificial ear/Ear Simulator is a human ear simulator simulating average human input impedance, when coupling with sound, it will load the acoustic impedance similar to the human ear into the sound source. JE1602 simulation ears are generally used with 1/2 inch pressure field measurement microphone, to measure the telephone receiver, headphones, etc., and the equivalent volume is 6m³. It completely meets the following requirements: IEC 60318-4:2010 Ed.1.0

2. Mechanical Characteristics

- a. Height(including connection adapter): 46mm
- b. Diameter: 61mm /27.7mm
- c. Weight(including connection adapter): 45g
- d. Output interface: BNC





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3. Acoustical technical parameters

- a. Sound field type: The pressure field type;
- b. Sensitivity mV/Pa(dBV/Pa): 30mv(-30dB)+/-2dB;
- c. Frequency response: 3.15Hz-10kHz \pm 2dB;12.5Hz-7.5kHz \pm 1dB;
- d. Polarity voltage (V): ICP,24V,4mA;
- e. Linearity range (benchmark for 20uPa);
25-135dB (250Hz Sensitivity to change to 0.2dB/10dB);
- f. Dynamic range upper limit (benchmark for 20uPa): \geq 148dB (250Hz distortion<3%);
- g. Equivalent noise (benchmark for 20uPa): \leq 16dB (250Hz);
- h. Operating Temperature Range: -20°C~ 60°C;
- i. Temperature coefficient: -0.02dB /°C(-20°C-50°C);
- j. Relative humidity range: 10- 90% no condensation;
- k. Relative humidity coefficient :< 0.1dB (10-90%);
- l. Frequency response curve:

