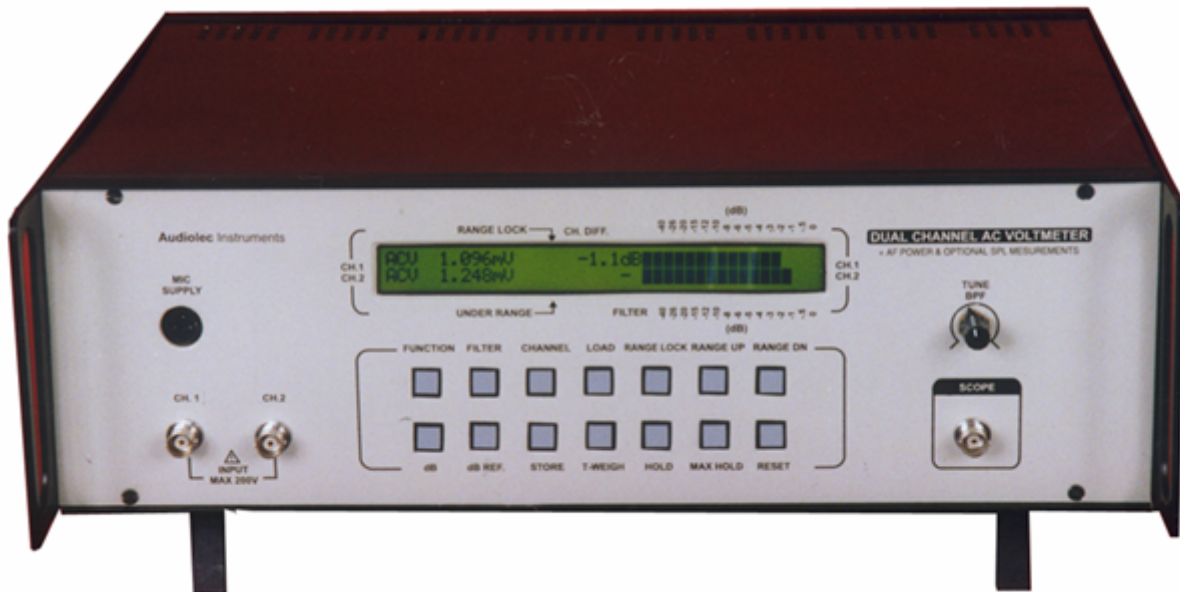


Digital Dual Channel AF Voltmeter

200 V, 100KHz with AF Power & SPL Measuring Options

- Applications in stereo/ mono audio measurements, signal level, o/p power, sound level.
- AF power & SPL measurement with external (optional) load resistors, microphone.
- Display of channel difference, Dual channel bar graph.
- Built in optional Filters: Lin, A, Band Pass(1KHz)
- Selectable units : V(voltage), W(power), dB, dBm, dBw, dBREL
- True RMS measurements, Auto/Manual range setting.
- 80 character, backlit, easily readable LCD display



Description & Applications:

Audiolec's AV2 is a two channel, microcontroller based, audio frequency voltmeter. It also has provision for measuring AF output power & SPL.

Absorption load resistors required for power measurement are external (optional). AF power is calculated from measured value of V as V^2/R where R is user set value. Largest measurable AF power is limited by instrument's voltage rating (200V rms) and power rating of external load resistors. SPL is measured using external (optional) microphone. Measuring range is from 45dB to 140dB.

Applications are in measuring gain, frequency response, channel difference, cross talk, output power, acoustic output of stereo/mono audio systems and devices, stereo recorders, multimedia systems, PA & HiFi amplifiers, audio transformers, loudspeakers, telephone headsets, headphones.

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Specifications:*Voltage Ranges*

Full Scale: 2mV, 20mV, 200mV, 2V, 20V, 200V r.m.s.

Accuracy: $\pm (2\% \pm 2\text{digits})$, at 1KHz

Bandwidth: 20 Hz -100KHz, 3 dB

Input Impedance:

1M for Ranges 2mV, 20mV, 200mV

100K for Ranges 2V, 20V, 200V

Optional Filters:

Linear: 10Hz-30 KHz, 3dB

A: Standard 'A' characteristics

Settable load values: 2,4,6,8,15,32,50,75,100 Ω . (Used for AF power calculations, value of external load resistor must be equal to user set value)

Operating Power: 230V $\pm 10\%$, 50Hz

Environmental:

Operating Temperature: 10 °to 45 °C, Humidity <90%(NC)

Size: 280(L) X 100(H) X 270(D)

Weight: 5.5Kg.

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