



- | Very low temperature drift
- | Low dc input bias current-10pA
- | Measures voltage down to 1 μ V
- | Automatic polarity indication
- | Recorder facility (optional)

Digital Microvoltmeter, DMV-001 is a very versatile multipurpose instrument for the measurement of low dc voltage. It has 5 decade ranges from 1mV to 10V with 100% over-ranging. For better accuracy and convenience, readings are directly obtained on 3½ digit DPM (Digital Panel Meter).

This instrument uses a very well designed chopper stabilized IC amplifier. This amplifier offers exceptionally *low offset voltage and input bias parameters*, combined with *excellent speed characteristics*.

Filter circuit is provided to reduce the line pickups of 50Hz. *All internal power supplies are IC regulated.*

Applications

DC voltage measurements from high impedance sources; output of photomultiplier tubes, photocells, radiation detector etc.

Very low voltage measurement, direct measurement of thermo-couple output to read temperatures with a resolution of 1/40th of a degree (Chromel-Alumel).

General purpose laboratory instrument for voltages upto 19.99V DC. (Hall Effect, Four Probe, Thermoluminescence, Transistor and Diode characteristics etc.)

Specifications

Range	1mV, 10mV, 100mV, 1V & 10V with 100% over-ranging.
Resolution	1 μ V
Accuracy	$\pm 0.2\%$ ± 1 digit
Stability	Within ± 1 digit
Input Impedance	>1000M Ω (10M Ω on 10V range)
Display	3½ digit, 7 segment LED with autopolarity and decimal indication
Power Supply	110V $\pm 10\%$, 60Hz
Weight	2.5Kg
Dimensions	245mm X 280mm X 120mm

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