

OMEGA TYPE FETM-21 F.E.T. Volt-Ohm-Meter has features seldom available in expensive test equipment. It is a versatile solid state instrument for measurement of D.C. and A.C. voltages and D.C. resistances. It is designed specifically for high reliability, stability and maximum usefulness, employing Field Effect Transistor for the D.C. Amplifier. The instrument can be operated either from the A.C. line or from the built-in batteries, making it more useful for the field work. The lowest D.C. voltage range is 150 mV full scale which is unique and most useful in checking low voltage transistor circuits.



FEATURES

- 01 Fully solid state using F.E. Ts.
- 02 High Input impedance.
- 03 Highly stable, compact and lighter in weight.
- 04 Wide measuring range from 150 mV to 1500 V.
- 05 Operative from mains as well as batteries.

SPECIFICATIONS

01. D.C. VOLTAGES : 0-1500 volts DC covered in 9 ranges with full scale deflections of 150 mV, 500mV, 1.5, 5, 15, 50, 150, 500 & 1500 Volts.
 ACCURACY : $\pm 3\%$ of Full Scale.
 INPUT IMPEDANCE : 11 Meg ohms
- 02 A.C. VOLTAGES
 RANGE R.M.S IN 7 STEPS: 0-1.5-5-15-50-150-500-1500V Full Scale.
 RANGE P to P IN 7 STEPS: 0-4.2-14-42-140-420-1400-4200V Full Scale.
 ACCURACY : $\pm 3\%$ of F.S.D. from 15V to 150V, $\pm 5\%$ of F.S.D. on 5V and above 150V
 $\pm 7\%$ of F.S.D. on 1.5V range.
 INPUT IMPEDANCE : 1.1 M ohms on 1.5V range
 (TYPICAL) : 1.3 M ohms on 5 to 50V range, 2.8 M ohms on 150 to 1500V range
 FREQUENCY RESPONSE: $\pm 3\%$ from 30 Hz to 2 MHz, $\pm 5\%$ from 20 Hz to 3 MHz on 50V or lower range.
- 03 RESISTANCE
 RANGE : 10E, 100E, 1K, 10K, 100K, 1M, 10M ohms center scale.
 ACCURACY : Within $\pm 3\%$ of arc
- 04 POWER REQUIREMENT
 A.C. : 230V $\pm 10\%$ at 50Hz A.C. Mains.
 BATTERY : 9V Power Pack Everyday Type 276 for D.C. Supply 1.5V Cell Eveready type 1050 for
- 05 SENSITIVITY OF METER USED: 50 mA D.C.
- 06 METER SIZE : 115 mm X 55mm (4½" X 2¼")
- 07 Weight : 4.500 Kg. (Approx)
- 08 Dimension : W 290 x H 160 x D 230
- 09 Strongly supported by detailed Operating Instructions.

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

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