



Cambridge Instruments
& Engg. Co.

EST. 1963 · HOWRAH, INDIA

DIGITAL MULTIMETER · TRUE-RMS, MANUAL RANGING

DM 321T

True-RMS · 3½-digit · manual ranging · hFE · capacitance · backlit

01 KEY FEATURES

- True-RMS AC measurement
- 3½-digit backlit display
- Data hold
- Auto-ranging capacitance
- hFE transistor test
- Protective holster



DM 321T · DIGITAL MULTIMETER

02 TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION & ACCURACY
DISPLAY & RANGING	
Measurement Type	True-RMS
Ranging	Manual
Display	3½-digit with backlight
VOLTAGE & CURRENT	
DC Voltage	200 mV / 2 V / 20 V / 200 V / 1000 V $\pm(0.5\% \text{ rdg} + 3 \text{ digits})$
AC Voltage (True-RMS)	2 V / 20 V / 200 V / 750 V $\pm(0.8\% \text{ rdg} + 5 \text{ digits})$ @ 40 Hz–1 kHz
DC Current	200 μ A / 2 mA / 20 mA / 200 mA / 20 A $\pm(0.8\% \text{ rdg} + 10 \text{ digits})$
AC Current (True-RMS)	20 mA / 200 mA / 20 A $\pm(1.0\% \text{ rdg} + 15 \text{ digits})$ @ 40 Hz–400 Hz
OTHER MEASUREMENTS	
Resistance	200 Ω / 2 K Ω / 20 K Ω / 200 K Ω / 2 M Ω / 20 M Ω $\pm(0.8\% \text{ rdg} + 3 \text{ digits})$
Capacitance (Auto Ranging)	6 nF – 20 mF $\pm(3.5\% \text{ rdg} + 20 \text{ digits})$
Transistor Test	hFE
Additional Functions	Continuity, diode test, REL, AC mains frequency test (750 V range), data hold, backlight, auto power-off, low battery
GENERAL	
Power Supply	2 × AA battery
Dimensions (L×W×H)	178 × 86 × 52 mm
Weight	Approx. 360 g (incl. battery & holster)
Warranty	12 months against manufacturing defects only

03 APPLICATIONS

- General electrical maintenance and panel testing
- Accurate AC measurement on non-sinusoidal loads (True-RMS)
- Basic electronic troubleshooting incl. transistor testing

04 WHAT'S IN THE BOX

- ✓ Test leads
- ✓ User manual
- ✓ Battery
- ✓ Holster

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