



DIGITAL CAPACITANCE METER, MODEL: DM-9023



GENERAL SPECIFICATIONS

Display	18 mm (0.7") LCD (Liquid Crystal Display), Max. indication 1999.
Range	9 ranges with full scale values from 200 pF to 20,00 uF
Zero Adjustment	External adjustment for zero value of the display. This is limited to ± 1 20pF.
Over-input indication	Display shows "1"
Sampling Time	0.5 second.
Time Base	Crystal O.S.C
Operating Temp.	0° to 50° C (32 to 122° F)
Operating Humidity	Less than 80% RH.
Power Supply	006P DC 9V battery.
Power Consumption	Around DC 3-4 mA on 200 pF to 200 uF range typically.
Dimension	185 x 87 x 39mm (7.3 x 3.4 x 1.5 inch).
Weight	290 g / 0.64 lb (including battery).
Standard Accessories	Test alligator clips (red & black). 1 pair. Spare fuse (0.2 A). 1 pc. Instruction manual. I Pc.

ELECTRICAL SPECIFICATION

Normal Range	Max. In-range Display	Resolution	Test Frequency
200pF	199.9pF	0.1pF	800Hz
2 nF	1.999nF	1 pF	800Hz
20 nF	19.99nF	10 pF	800Hz
200nF	199.9nF	100 pF	800Hz
2 uF	1.999uF	1000 pF	800Hz
20 uF	19.99uF	0.01 uF	80Hz
200 uF	199.9uF	0.1 uF	8Hz
2,000 uF	1999uF	1 uF	8Hz
20,000 uF	19990uF	10 uF	8Hz
Accuracy (25° C to 5° C)	0.5% at full scale ± 1 LSD (least Significant digit) on 200pF to 200uF ranges. 1% of full scale ± 1 LSD on 20,000uF range. 2% of full scale ± 1 LSD an 20,000uF range.		
Excitation voltage	2.8 volts peak, maximum. High input terminal is always more positive than "-" terminal.		
Zero adjustment	It is only limited ± 20 pF.		
Protection	The meter is protected against damage from charged capacitors (more than DC 50V) by fuse (0.2A)		

Appearance and specifications listed in this brochure are subject to change without notice