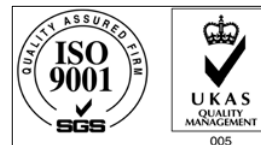


pocket

CAPACITANCE METER

Model : DM-9033

ISO-9001, CE, IEC1010



LUTRON ELECTRONIC

The Art of Measurement

Supplied by :
Tel: 0027 (11) 683 4365

Test and Measurement Instruments C.C.
www.instrumentsgroup.co.za

Pocket Size



CAPACITANCE METER



Model : DM-9033

FEATURES	
* Pocket size digital capacitance meter, easy operation and carry out.	
* LCD display, easy read-out.	
* Multi-ranges : 2 nF, 20 nF, 200 nF, 2 uF, 20 uF, 200 uF, & 1000 uF.	
* Compact & strong housing case.	

GENERAL SPECIFICATIONS	
Display	13 mm (0.5") LCD, 3 1/2 digits. Max. reading 1999.
Range	7 ranges : 2 nF, 20 nF, 200 nF, 2 uF, 20 uF, 200 uF, 1000 uF.
Over-input indicator	" 1 " mark indication.
Sampling Time	Approx. 0.4 second.
Operating Temp.	0 to 50 °C (32 to 122 °F).
Operating Humidity	Less than 80% RH.
Power Supply	006 P DC 9V battery.
Power Consumption	Approx. DC 3 mA.
Dimensions	120 x 72 x 37 mm (4.7 x 2.8 x 1.4 inch).
Weight	185 g/0.41 LB.
Accessories Included	Test alligator clips (red & black)1 pair. Instruction Manual1 PC.

ELECTRICAL SPECIFICATIONS (23± 5 °C)			
RANGE	RESOLUTION	TEST FREQUENCY	ACCURACY
2 nF	1 pF	70 Hz	± (3 % + 1 d)
20 nF	10 pF	70 Hz	
200 nF	100 pF	70 Hz	
2 uF	1 nF	70 Hz	± (2 % + 3 d)
20 uF	10 nF	70 Hz	
200 uF	100 nF	70 Hz	
1000 uF	1 uF	70 Hz	± (5 % + 5 d)

pF = pico farad (10⁻¹²) nF = nano farad (10⁻⁹)
uF = micro farad (10⁻⁶)

Remark :

Though the internal test frequency is approx. 70 Hz, however the accuracy adjustment are executed as :

** For the 2 uF, 200 nF, 20 nF, 2 nF range, the accuracy adjustment is compared with the " Standard capacitor that tested under the 1 KHz frequency ".*

** For the capacitance 20 uF, 200 uF, 1000 uF range, the accuracy adjustment is compared with the " Standard capacitor that tested on the 100 Hz frequency ".*

