

FEATURES

- High reliability and durability
- Fast sampling rate
- Low Battery Indication
- Low Voltage Indication
- Low power consumption

RS PRO Handheld Capacitance Meter 20000 μ F

RS Stock No.: 123-8770



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

RS PRO DM-9023 LCR meter is a great value handheld capacitance meter which features an 18 mm high 2000-count LCD display. Ability to check tolerance, sort values, select precision values, unmarked capacitors measurement and switch or PCB layout capacitance. Lead capacitance may be nulled out with the instrument's front panel zero adjust facility. Also includes alligator clips, instructions, test lead set, rubber holster, 9v PP3, spare fuse 0.2A and alkaline battery.

General Specifications

Model Number	DM-9023
Type	Handheld
Components Type	Capacitors
Measurement Parameters	Capacitance
Test Frequency	8Hz to 800Hz
Output Impedance	200 μ F to 20000 μ F
Basic Accuracy	\pm 1%
Display Type	LCD
Auto Power Off time	Yes
Low Battery Indicator	Yes
Overload Indication	Yes

Capacitance Measurement

Range	Resolution	Test Frequency
20pF	0.1pF	800Hz
2nF	1pF	800Hz
20nF	10pF	800Hz
200nF	100pF	800Hz
2 μ F	1000pF	800Hz
20 μ F	0.01 μ F	80Hz
200 μ F	0.1 μ F	8Hz
2000 μ F	1 μ F	8Hz

Electrical Specifications

Power Source	Battery
Battery Included	Yes
Battery Type	Alkaline
Battery Life	200 hours

Mechanical Specifications

Dimensions	87mm x 39mm x 185mm
Length	87mm
Width	39mm
Height	185mm
Weight	290g

Operation Environment Specifications

Operating Humidity	Up to 80% R.H.
Operating Temperature	0°C to 50°C

Approvals

Compliance/Certifications	EN 61340
Declarations	RoHS Certificate of Compliance



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 20,000 uF..
Overload Indication	Indication of " 1"
Zero adjust:	Front panel Adjustment control. This is limited to approx. 20 pF.
Out-of-Range indication	Indication of " 1" .
Sampling rate	0.5 second .
Operating Temperature	0 to 50 °C (32 to 122 °F).
Operating Humidity	Less than 80% RH.
Power Supply	DC 9V battery.
Battery Life	Approximately 200 hours on alkaline or 100 hours on carbon zinc battery with normal usage. (Typical consumption current 3 to 4 mA on 200 pF to 200 uF range).
Dimension	185 x 87 x 39 mm (7.3 x 3.4 x 1.5 inch).
Weight:	290 g/0.64 LB (including battery).