

3½ DIGIT 1999 COUNTS LARGE DISPLAY DIGITAL LCR METER

13 FUNCTIONS 29 RANGES**Model KM 954MK-II****SPECIAL FEATURES :**

- Professional Grade Digital LCR Meter
- Diode Test

- MAX HOLD & DATA HOLD facility
- Low battery indication

GENERAL SPECIFICATIONS :

- * **Basic Accuracy** : $\pm(0.3\% \text{rdg} + 1 \text{dgt})$
- * **Display** : 3½ digit LCD display (1999 Counts)
- * **Digit Size** : 17.5mm
- * **Polarity** : Automatic, positive implied, (-) negative polarity indication
- * **Overrange** : (OL) or (-OL) is displayed
- * **Measurement Rate** : 2.5 times per second, nominal

- * **Operating Temperature** : 0°C to 40°C at <70% R.H.
- * **Storage Temperature** : -20°C to 60°C, 0 to 80% R.H. With battery removed
- * **Accuracy** : Stated accuracy at 23°C $\pm 5^\circ\text{C}$, <75% R.H.
- * **Power** : Single 9V Battery.
- * **Dimension** : 200(H) x 90(W) x 40(D)mm
- * **Weight** : Approx. 400g. Including battery.

ACCESSORIES :

Test leads pair, Carrying Case, Batteries installed, User's Manual & One Spare fuse installed.

ELECTRICAL SPECIFICATIONS- KM 954MK-II

Accuracy is $\pm$ (% reading digits + number of digits) or otherwise specified, at 23°C $\pm 5^\circ\text{C}$

CAPACITANCE

Range	Resolution	Accuracy
200 pF	0.1 pF	$\pm(2.0\% \text{rdg} + 30 \text{dgt})$
2 nF	1 pF	$\pm(2.0\% \text{rdg} + 10 \text{dgt})$
20 nF	10 pF	
200 nF	100 pF	
2 F	1 nF	
20 F	10 nF	$\pm(3.0\% \text{rdg} + 10 \text{dgt})$
200 F	100 nF	
2000 F	1 F	
200 mF	10 F	

Test Frequency : 1000Hz on 200pF to 20nF ranges.
80Hz on 200nF to 2 F ranges ; 26Hz on 20 F range.
10.5Hz on 200 F to 20mF ranges.

Overload Protection : 0.1A/250V fast blow fuse

Note : In lower range 200pF, 2nF subtract residual offset reading from result with test leads opening.

INDUCTANCE

Range	Resolution	Accuracy
200 H	0.1 H	$\pm(5.0\% \text{rdg} + 3 \text{dgt})$
2 mH	1 H	
20 mH	10 H	
200 mH	100 H	
2 H	1 mH	
20 H	10 mH	

Test Frequency : 1000 Hz on 200 H to 20mH ranges,
80 Hz on 200mH to 2H ranges.
26 Hz on 20H range.

Overload Protection : 0.1A/250V fast blow fuse

Note : In lower range 200 H, 2mH subtract residual offset reading from result with test leads being shorted.

FREQUENCY (Autoranging)

Range	Resolution	Accuracy
2 KHz	1 Hz	$\pm(0.1\% \text{rdg} + 1 \text{dgt})$
20 KHz	10 Hz	
200 KHz	100 Hz	
2000 KHz	1 KHz	
15 MHz	10 KHz	

Sensitivity : 1.0Vrms min (TTL signal)

Overload Protection : 25V DC or AC rms

RESISTANCE

Range	Resolution	Accuracy
200	100 m	$\pm(0.3\% \text{rdg} + 3 \text{dgt})$
2 K	1	$\pm(0.3\% \text{rdg} + 1 \text{dgt})$
20 K	10	
200 K	100	
2000 K	1 K	
20 M	10 K	$\pm(2.0\% \text{rdg} + 2 \text{dgt})$
200 M	100 M	$\pm[(5.0\% \text{rdg} - 10 \text{dgt}) + 10 \text{dgt}]$
2000 M	1 M	

Open Circuit Voltage : 3.0V DC on 200 , 200M , 2000M ranges.
0.3V DC on other ranges.

Overload Protection : All ranges 25V DC or AC rms.

DIODE TEST

Including :  , Continuity test
Test Current : 1.0mA $\pm$ 0.6mA
Open circuit Voltage : 3.0V DC typical
Accuracy : $\pm(3.0\% \text{rdg} + 1 \text{dgt})$
Continuity : <30 dgts
Display : Forward junction voltage
Overload protection : 25VDC or ACrms

DC VOLTAGE

Range	Resolution	Accuracy
20 V	10 mV	$\pm(2.0\% \text{rdg} + 1 \text{dgt})$

Input impedance : 1M

Overload protection : 25V DC or AC rms

All Specifications are subject to change without prior notice