

This pen R/C meter for SMD could fast precise measure small chip components.

FEATURES :

- **Display :** 3-¾ digits LCD display with max. reading 3999
- **Pollution degree :** 2
- **Altitude :** < 2000m
- **Operating Temperature :** 0 - 40°C, <80% R.H. non-condensing
- **Storage Temperature :** -10 ~ 60°C, < 70% RH, battery removed
- **Temperature Coefficient :** 0.1 x (specified accuracy) / °C (<18°C or > 28°C)
- **Max. Voltage between terminals and earth ground :** 50V DC or 36V AC rms.
- **Sample Rate :** 3 times / sec for digital data
- **Over Range indication :** LCD will display "OL"
- **Low battery indication :** The " " is displayed when the battery is under the proper operation range
- **Auto power off :** If there is no key been operated for 15 minutes, the meter will auto power off to save battery energy.
- **Diode Test**
- **Power Source :** 3.0V battery
- **Dimensions :** 181(L) x 35(W) x 20(H) mm
- **Weight :** Approx. 65g. (battery included)



Preliminary Data

ELECTRICAL SPECIFICATIONS : KM 503

Accuracy : ± (% of reading + number of digits) at 18°C to 28°C (64°F to 82°F) with relative humidity to 80%.
Caution when working with voltages above 50VDC or 36VAC rms

RESISTANCE

Range	Resolution	Accuracy
400	0.1	±(1.2% rdg + 3 digits)
4k	1	
40k	10	
400k	100	
4M	1 k	
40M	10 k	±(2.0% rdg + 5 digits)

CAPACITANCE

Range	Resolution	Accuracy	
4 nF	1 pF	±(5.0% rdg + 5 digits)	
40 nF	10 pF		
400 nF	100 pF		
4 F	1 nF		±(3.0% rdg + 5 digits)
40 F	10 nF		
200 F	100 nF		

Keep two pins of the capacitance in short before measuring

DIODE TEST

Range	Description	Test Condition
	Display read approx. forward voltage of diode	Forward DC Current : approx. 1mA Reversed DC Voltage : approx 1.5V

All specifications are subject to change without prior notice.