

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)

DIODE TEST

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

CAPACITANCE

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

Keep two pins of the capacitance in short
before measuring

All specifications are subject to change without prior notice.