

GENERAL SPECIFICATIONS :

- **Display** : 3 ¾ digits LCD, 3999 counts max.
- **Jaw size** : Φ40mm
- **Overload protection** : LCD will show a "OL" in the highest position accompanied. (Except for ranges of 1000A AC, & 1000VDC or 750VAC)
- **Measurement Categories III**
- **Pollution Degree 2**
- **Altitude upto 2000 meters**
- **Sampling rate** : 2.5 times/sec (Digital display)
- **Polarity** : Automatic polarity "-" display for negative input.
- **Operating Temperature & Humidity** : 0 ~ 40°C (R.H. <80% noncondensing)
- **Storage Temperature & Humidity** : -10°C ~ 60°C (R.H. <80% noncondensing)
- **Low Battery Indication.**
- **Auto Power Off.**
- **Diode & Continuity test**
- **Power Supply** : 1.5V x 2 AAA Battery.
- **Dimension** : 228(L) x 75(W) x 36(H)mm.
- **Weight** : Approx. 465g. (including Battery)

ACCESSORIES : Test leads set, Users Manual, Battery & Carrying Case.

ELECTRICAL SPECIFICATIONS : KM 2780

AC CURRENT

Range	Resolution	Accuracy
40Hz ~ 65Hz		
40 A	0.01A	± (2%rdg + 5dgts)
400 A	0.1A	
1000 A	1 A	

Overload Protection : 1100A

DCmV VOLTAGE

Range	Resolution	Accuracy
400 mV	0.1 mV	± (1.0%rdg + 2dgts)

Overload Protection : 1000Vrms Input Impedance : 1MΩ

DC VOLTAGE

Range	Resolution	Accuracy
4 V	0.001 V	± (0.8%rdg + 2dgts)
40 V	0.01 V	
400 V	0.1 V	
1000 V	1 V	± (1.0%rdg + 2dgts)

Overload Protection : 1000Vrms Input Impedance : 10MΩ

FREQUENCY

Range	Resolution	Accuracy
10 Hz	0.001Hz	Unspecified
100 Hz	0.01Hz	± (0.5%rdg + 3dgts)
1 KHz	0.1Hz	
10 KHz	1Hz	
100 KHz	10Hz	
1 MHz	100Hz	Unspecified
10 MHz	1KHz	

Overload Protection : 250Vrms. Sensitivity : 1V

AC VOLTAGE

Range	Resolution	Accuracy
40Hz ~ 450Hz		
400 mV	0.1 mV	± (1.8%rdg + 5dgts)
4 V	1 mV	± (1.0%rdg + 5dgts)
40 V	0.01 V	
400 V	0.1 V	
40Hz ~ 100Hz		
750 V	1 V	± (1.5%rdg + 5dgts)

Overload Protection : 820Vrms

Input Impedance : 10MΩ

RESISTANCE

Range	Resolution	Accuracy
400 Ω	0.1 Ω	± (1.2%rdg + 5dgts)
4 KΩ	1 Ω	± (1.0%rdg + 2dgts)
40 KΩ	10 Ω	
400 KΩ	100 Ω	
4 MΩ	1 KΩ	± (2.0%rdg + 5dgts)
40 MΩ	10 KΩ	

Overload Protection : 250Vrms.

CAPACITANCE

Range	Resolution	Accuracy
50Hz ~ 60Hz		
40 nF	0.01 nF	± (2.5%rdg + 10dgts)
400 nF	0.1 nF	± (2.0%rdg + 4dgts)
4 μF	1 nF	
40 μF	10 nF	
100 μF	100 nF	Unspecified

Overload Protection : 250Vrms.



Preliminary Data

DIODE / AUDIBLE CONTINUITY

Range	Description
➔	Display read approx. Forward voltage of diode. Accuracy : ± (3.0%rdg + 3dgts)
•••••	If the resistance is less than 50Ω, the beeper sounds continuously.

Note : Overload protection : 250V rms

DUTY CYCLE

Range
0.1% to 99.9%