


### FEATURES :

- \* Measurement CAT II 1000V, CAT III 600V AC/DC
- \* Pollution Degree 2
- \* Relative measurement mode
- \* Altitude < 2000m
- \* Data Hold Function
- \* Backlight for Display
- \* MAX / MIN Function
- \* Manual ranging & Autorange Mode
- \* TRMS Measurement.

### GENERAL SPECIFICATIONS :

- \* Sensing : True RMS sensing
- \* Display : 3-3/4 digits 4000 counts LCD display.  
Automatic indication of functions & symbols.
- \* Jaw Size : 40mm
- \* Sampling rate : 3 times/sec (Digital Display).
- \* Maximum Voltage between terminals & Earth ground : 1000VAC rms or 1000VDC
- \* Operating Temperature : 0~40°C(32°F ~ 122°F)  
<80% RH, <10°C non-condensing.
- \* Storage Temperature : -10~60°C(14°F ~ 140°F)  
<70% RH, battery removed.
- \* Temperature Coefficient : 0.1 x (specified accuracy) / °C (<18°C or >28°C)
- \* Range selection : automatic & manual.
- \* Over Range Indication : LCD will show "OL"
- \* Low Battery Indication : The  is displayed when the battery voltage drops below the operating voltage.
- \* Polarity : Automatic polarity "-" display
- \* Auto Power Off : The meter is powered off 15 minutes
- \* Power Supply : 1.5V AAA x 3 Battery.
- \* Dimension : Approx.190(L) x 90(W) x 40(H)mm
- \* Weight : Approx. 500 gms. (including battery).

### ACCESSORIES :

Test leads set, Users Manual, Battery, Thermocouple & Carrying Case.



Preliminary Data

## ELECTRICAL SPECIFICATIONS : KM 2784-T

### DC CURRENT

Range	Resolution	Accuracy
400.0 A	0.1 A	± (3.0%rdg + 6dgts)
1000 A	1 A	

### AC CURRENT (40Hz ~ 400Hz)

Range	Resolution	Accuracy
400.0 A	0.1 A	± (3.0%rdg + 8dgts)
1000 A	1 A	

Above accuracies can be within 5% ~100% of the full range. The true RMS meter has residual value within 10 counts when the test leads are shorten, but that will not affect the accuracy of measurement.

- Maximum input current : 1000A DC or AC rms.
- Use ZERO function to clean the initial reading before measurement.(ZERO function will disable AUTOrange)

### RESISTANCE

Range	Resolution	Accuracy
400.0 Ω	0.1 Ω	± (0.5%rdg + 3dgts)
4.000 kΩ	1 Ω	
40.00 kΩ	10 Ω	± (0.5%rdg + 2dgts)
400.0 kΩ	100 Ω	
4.000 MΩ	1 kΩ	± (1.5%rdg + 5dgts)
40.00 MΩ	10 kΩ	

### CONTINUITY CHECK

Range	Resolution	Test Condition
200.0 Ω	0.1 Ω	Open Circuit Voltage : approx. 0.5V

Description : Continuity beeper ≤ 50Ω

### DC VOLTAGE

Range	Resolution	Accuracy
400.0 mV	0.1 mV	± (0.5%rdg + 5dgts)
4.000 V	1 mV	
40.00 V	10 mV	± (0.8%rdg + 5dgts)
400.0 V	100 mV	
1000 V	1 V	± (1.0%rdg + 2dgts)

### AC VOLTAGE (40Hz ~ 1000Hz)

Range	Resolution	Accuracy
4.000 V	1 mV	± (1.0%rdg + 5dgts)
40.00 V	10 mV	
400.0 V	100 mV	
1000 V	1 V	± (1.5%rdg + 5dgts)

Above accuracies can be within 5% ~100% of the full range. The true RMS meter has residual value within 10 counts when the test leads are shorten, but that will not affect the accuracy of measurement.

- Response for ACV : RMS measure, calibrated in rms of sine wave.
- Overload Protection : 1000V DC or 1000V AC rms.
- Input Impedance (Nominal): AC & DC Voltage : >10MΩ

### DIODE TEST

Range	Resolution	Test Condition
2.000 V	0.001 V	Forward DC Current approximately 1mA. Reversed DC Voltage approximately 1.5V.

### LOGIC FREQUENCY (1Hz-1MHz)

Range	Resolution	Accuracy
4.000 Hz	0.001 Hz	±(0.1%rdg+5dgts)
40.00 Hz	0.01 Hz	
400.0 Hz	0.1 Hz	
4.000 kHz	0.001 kHz	
40.00 kHz	0.01 kHz	
400.0 kHz	0.1 kHz	
4.000 MHz	1 kHz	

Voltage Input <10Vp

### CAPACITANCE

Range	Resolution	Accuracy
4.000 nF	1 pF	± (5.0%rdg + 20dgts)
40.00 nF	10 pF	
400.0 nF	100 pF	± (3.0%rdg + 15dgts)
4.000 μF	1 nF	
40.00 μF	10 nF	
400.0 μF	100 nF	
4.000 mF	1 μF	
		± (5.0%rdg + 10dgts)

### TEMPERATURE

Range	Resolution	Accuracy
0°C~ 400°C	1°C	±(2.0%rdg+3°C)
400°C~ 1000°C		±(2.0%rdg)

Note : The specifications of temperature don't include thermocouple errors.

Supplied Thermocouple is suitable for measurement upto 250°C

All Specifications are subject to change without prior notice.