

## 3<sup>3</sup>/<sub>4</sub> DIGIT 2000A AC/DC DIGITAL CLAMP METER

11 FUNCTIONS 34 RANGES

Model KM 2775



### SPECIAL FEATURES :

- Auto Ranging
- Full Automatic measurement
- Range change function
- Data Hold function freezes the reading
- Continuity & Diode Measurements
- Auto Power Off
- Low Battery Indication

### SAFETY :

- IEC/EN61010-1 EN61010-2-32 CAT III 600V
- Withstand Voltage : 6000V

### ACCESSORIES :

Test leads, Carrying Case, Battery installed, User's Manual.

### GENERAL SPECIFICATIONS :

- \* Sensing : Average Sensing.
- \* Jaw opening size : 55mm Max.
- \* Display : 3<sup>3</sup>/<sub>4</sub> digits 4000 counts LCD display
- \* Sample Rate : Approx. 2 times per second
- \* Response Time : Approx. 1 second
- \* Low Battery : "BAT" sign appears on the display when the battery Voltage drops below accurate operating level.
- \* Over range indication : "O.L" indicated
- \* Operating Principle : Dual slope integration
- \* Storage Temperature : -20°C to 60°C, <80% R.H.
- \* Temperature & Humidity for Guaranteed accuracy @ -10°C to 50°C at <80% R.H.
- \* Power Supply : Standard 9V battery
- \* Dimension : 260(L) X 95(W) X 43(D) mm
- \* Weight : Approx. 515 gm (battery included)

### ELECTRICAL SPECIFICATIONS - KM 2775

Accuracy is ± (% reading digits + number of digits ) or otherwise specified, at 23°C ± 5°C & less than equal to 80% R.H.

#### AC CURRENT

Range	Resolution	Accuracy
400 A	0.1 A	±(2.0%rdg + 4dgts)
2000 A	1 A	±(2.0%rdg + 4dgts)

Frequency Response : 40Hz ~ 1kHz

#### AC VOLTAGE

Range	Resolution	Accuracy
400 mV	0.1 mV	±(2.0%rdg + 3dgts)
4 V	1 mV	±(1.5%rdg + 3dgts)
40 V	10 mV	±(1.5%rdg + 3dgts)
400 V	100 mV	±(1.5%rdg + 3dgts)
600 V	1 V	±(1.5%rdg + 3dgts)

Overload Protection : 600V AC RMS

Frequency Response : 0 ~ 400mV at 40Hz ~ 100Hz  
4V ~ 600V at 40Hz ~ 500Hz

#### FREQUENCY

Range	Resolution	Accuracy
4 KHz	1 Hz	±(0.3%rdg + 2dgts)
20 KHz	10 Hz	±(0.3%rdg + 2dgts)

Overload Protection : 500V AC rms or 500V DC

Trigger level : 0.2V

#### DC CURRENT

Range	Resolution	Accuracy
400 A	0.1 A	±(1.5%rdg + 4dgts)
2000 A	1 A	±(1.5%rdg + 4dgts)

#### DC VOLTAGE

Range	Resolution	Accuracy
400 mV	0.1 mV	±(1.0%rdg + 3dgts)
4 V	1 mV	±(1.0%rdg + 3dgts)
40 V	10 mV	±(1.0%rdg + 3dgts)
400 V	100 mV	±(1.0%rdg + 3dgts)
600 V	1 V	±(1.0%rdg + 3dgts)

Overload Protection : 600V AC RMS

#### CONTINUITY TEST

Range	Audible Threshold
400	Less than 25

Overload Protection : 500V AC rms or 500V DC

#### CAPACITANCE

Range	Resolution	Accuracy
4 nF (30p-4nF)	1 pF	±(3.0%rdg + 5dgts)
40 nF	10 pF	±(2.0%rdg + 5dgts)
400 nF	100 pF	±(2.0%rdg + 5dgts)
4 F	1 nF	±(2.0%rdg + 5dgts)
40 F	10 nF	±(2.5%rdg + 5dgts)
400 F	100 nF	±(2.5%rdg + 5dgts)
4 mF	1 F	±(2.5%rdg + 5dgts)

Overload Protection : 500V AC rms or 500V DC

#### RESISTANCE

Range	Resolution	Accuracy
400	0.1	±(1.5%rdg + 3dgts)
4 K	1	±(1.5%rdg + 3dgts)
40 K	10	±(1.5%rdg + 3dgts)
400 K	100	±(1.5%rdg + 3dgts)
4 M	1 K	±(1.5%rdg + 3dgts)
40 M	10 K	±(2.0%rdg + 4dgts)

Overload Protection : 500V AC rms or 500V DC

#### DIODE TEST

Range	Resolution	Accuracy
2 V	1 mV	±(1.5%rdg + 3dgts)

### WARNING

Please do not change to any other DCV or Ohm range when you are inputting 600V AC/DC. Make sure that you have turned off the input voltage and then you can change to another range for testing.

All Specifications are subject to change without prior notice