

# KUSAM-MECO® 3½ DIGITS 2000 COUNTS DIGITAL CLAMP METER

An ISO 9001:2008 Company

6 Functions; 12 Ranges (Model - 2700)

7 Functions; 12 Ranges (Model - 2790)

## FEATURES :

- High-accuracy, Digital reading
- Large LCD for easy reading
- Instant continuity buzzer
- Overload protection on all ranges
- Recessed safety designed input jacks.
- Data Hold switch freezes reading.
- Low battery indication
- Tough ABS plastic housing
- Diode check

## GENERAL SPECIFICATIONS :

- \* Sensing : Average sensing.
- \* Jaw opening size : 32 mm
- \* Display : 3½ digit 1999 counts LCD display with automatic sign & functions.
- \* Over range indication : MSB (highest) digit OL (1) or (-1) is displayed.
- \* Low battery : The symbol "BAT" is displayed when the battery voltage drop below the operating Voltage.
- \* Measurement rate : 3 measurements per second nominal
- \* Power supply : Single standard 9V battery.
- \* Operating Temperature & Humidity : 0°C to 50°C; < 70% R.H.
- \* Storage Temperature & Humidity : -20°C to 60°C; < 80% R.H. With battery removed.
- \* Dimension : 19.2(L) x 8.2(W) x 3.3(H) cm
- \* Weight : approx. 250gms. (Including battery)



## ACCESSORIES :

Test leads (pair), Battery installed, User's manual, Carrying case & Drop proof wriststrap.

## ELECTRICAL SPECIFICATIONS : 2700 / 2790

Accuracy are : ±(% of reading + number of digits)  
at 23°C ± 5°C less than 75% R.H.

### AC CURRENT (50~60 Hz)

Range	Resolution	Accuracy (2700)	Accuracy (2790)
20 A	0.01 A	(3%rdg + 4dgt)	(1.5%rdg + 4dgt)
200 A	0.1 A	(2%rdg + 4dgt)	(1.5%rdg + 4dgt)
300 A (2700)	1 A		_____
600 A (2790)	1 A	_____	(1.5%rdg + 4dgt)

Accuracies specified for measurements taken at the centre of the clamps

### AC VOLTAGE (50~500 Hz)

Range	Resolution	Accuracy (2700)	Accuracy (2790)
200 V	0.1 V	(1.2%rdg + 4dgt)	(3%rdg + 4dgt)
750 V	1 V	(1.5%rdg + 4dgt)	

Input Impedance : 10 M

OL-protection : 1200V DC / 800V AC on all ranges.

### DC VOLTAGE

Range	Resolution	Accuracy (2700)	Accuracy (2790)
2 V	1m V	(0.5%rdg + 1dgt)	_____
200 V	0.1 V		(1.5%rdg + 1dgt)
1000 V	1 V		_____

Input Impedance : 10 M

OL-protection : 500V DC / 350V AC on 200 mA range.  
1200V DC / 800V AC on other range.

### RESISTANCE

Range	Resolution	Accuracy (2700)	Accuracy (2790)
200	0.1	(1%rdg + 1dgt)	(1.5%rdg + 3dgt)
200 K	100		

Test Voltage : 200 range 3.2V max.  
200K range 0.3V max.

OL-protection : 500V DC / 350V AC on all ranges

### DIODE TEST

Test Current	1.0 0.6mA
Test Voltage	3.2V max.

OL-protection : 500V DC / 350V AC

### FREQUENCY (Autoranging)(Model 2790)

Range	Resolution	Accuracy
2 kHz	1 kHz	(0.5%rdg + 3dgt)
20 kHz	10 kHz	

Sensitivity : 80V rms min.

OL-protection : 500V DC or AC rms (50Hz - 500Hz)

### CONTINUITY BEEPER

Threshold	< 100
Response Time	< 100mS

OL-protection : 500V DC / 350V AC

All Specifications are subject to change without prior notice

**KUSAM-MECO®**

An ISO 9001:2008 Company

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