KUSAM-MECO®
An ISO 9001:2015 Company

# 3¾ DIGITS AC/DC AUTORANGING DIGITAL CLAMPMETER

THINK SAFETY
THINK KUSAM-MECO®

## 12 FUNCTIONS 25 RANGES
## Model - KM 2720

### SPECIAL FEATURES :

- High Resolution DCA / ACA of 1mA
- Auto Polarity display
- Auto Zero Adjustment
- Display annunciators for all functions & ranges
- Continuity & Diode Measurements
- Auto Power Off
- Low Battery Indication

CAT III 300V
CAT II 600V




### GENERAL SPECIFICATIONS :

- ✷ **Sensing :** Average sensing
- ✷ **Jaw Size :** 23 mm
- ✷ **Display :** 3¾ digits 4000 counts LCD display
- ✷ **Sampling rate :** 2.5 reading / sec.
- ✷ **Low Battery :** "⊟" mark is displayed when the Battery Voltage drops below 2.4V
- ✷ **Over range indication :** Display "OL" or "-OL"
- ✷ **Operating Temperature :** 0°C~50°C; ≤ 75% R.H.
- ✷ **Storage Temperature :** -20°C to 60°C; ≤ 80% R.H. (Without battery)
- ✷ **Power Supply :** 1.5V AAA battery x 2
- ✷ **Dimension :** 183(L) X 43(W) X 31(H) mm
- ✷ **Weight :** Approx. 200 gm (battery included)

### ACCESSORIES :

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

## ELECTRICAL SPECIFICATIONS- KM 2720

Accuracy is ± (% reading digits + number of digits ) or otherwise specified, at 23°C ± 5°C & less than 75% R.H.

### AC CURRENT

| Range | Resolution | Accuracy |
|---|---|---|
| 40 A | 10 mA | ±(2.0%rdg + 3dgts) |
| 200 A | 100 mA | ±(2.5%rdg + 3dgts) |

### DC CURRENT

| Range | Resolution | Accuracy |
|---|---|---|
| 40 A | 10 mA | ±(2.0%rdg + 2dgts) |
| 200 A | 100 mA | ±(2.5%rdg + 2dgts) |

### CAPACITANCE

| Range | Resolution | Accuracy |
|---|---|---|
| 40 nF | 10 pF | ±(2.5%rdg + 10dgts) |
| 400 nF | 100 pF | ±(2.0%rdg + 4dgts) |
| 4 µF | 1 nF | ±(2.0%rdg + 4dgts) |
| 40 µF | 10 nF | ±(2.5%rdg + 4dgts) |

**Overload Protection :** 250V rms

### AC VOLTAGE

| Range | Resolution | Accuracy |
|---|---|---|
| 400 mV | 100 µV | ±(1.8%rdg + 5dgts) |
| 4 V | 1 mV | ±(1.0%rdg + 3dgts) |
| 40 V | 10 mV | ±(1.0%rdg + 3dgts) |
| 400 V | 100 mV | ±(1.0%rdg + 3dgts) |
| 750 V | 1 V | ±(1.5%rdg + 3dgts) |

**Input Impedance :** ≥10MΩ
**AC Voltage Test Frequency :** 50Hz~500Hz for 400V & below, & 50Hz~100Hz for above 400V.
**Overload Protection :** DC 1000V or AC 750V rms

### DC VOLTAGE

| Range | Resolution | Accuracy |
|---|---|---|
| 400 mV | 100 µV | ±(1.0%rdg + 2dgts) |
| 4 V | 1 mV | ±(0.8%rdg + 2dgts) |
| 40 V | 10 mV | ±(0.8%rdg + 2dgts) |
| 400 V | 100 mV | ±(0.8%rdg + 2dgts) |
| 1000 V | 1 V | ±(0.8%rdg + 2dgts) |

**Input Impedance :** ≥10MΩ
**Overload Protection :** DC 1000V or AC 750V rms

### FREQUENCY

| Range | Accuracy |
|---|---|
| 9.999 Hz | Unspecified |
| 99.99 Hz ~ 9.999 MHz | ±(0.2%rdg + 3dgts) |

**Sensitivity :** Frequency - 0.7V AC rms;
Voltage - 0.1V AC rms
**Overload Protection :** 250V rms

### RESISTANCE

| Range | Resolution | Accuracy |
|---|---|---|
| 400 Ω | 100 mΩ | ±(1.0%rdg + 2dgts) |
| 4 kΩ | 1 Ω | ±(1.0%rdg + 2dgts) |
| 40 kΩ | 10 Ω | ±(1.0%rdg + 2dgts) |
| 400 kΩ | 100 Ω | ±(1.0%rdg + 2dgts) |
| 4 MΩ | 1 kΩ | ±(1.0%rdg + 2dgts) |
| 40 MΩ | 10 kΩ | ±(1.5%rdg + 2dgts) |

**Overload Protection :** 250V rms

### DIODE TEST

| Range | Description |
|---|---|
| → | Display read approx. Forward Voltage of diode. Accuracy : ±(3.0%rdg + 3dgts) |

### CONTINUITY TEST

| Range | Description |
|---|---|
| •)) | If the resistance is less than 100Ω, the beeper sounds continuously |

### DUTY CYCLE

| Range | Resolution | Sensitivity |
|---|---|---|
| 0.1%~99.9% | 0.1% | Frequency - 0.7V AC rms<br>Voltage - 0.1V AC rms |

**Overload Protection :** 250V rms

**All Specifications are subject to change without prior notice**

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