KUSAM-MECO®
An ISO 9001:2015 Company

1000A DC/AC DIGITAL CLAMP METER
Model 2781-T

THINK SAFETY
THINK KUSAM-MECO®

FEATURES :

9 FUNCTIONS 32 RANGES

- Overload protection on all ranges.
- Maximum Voltage between any terminal and earth ground 600V rms
- Dual slope integration
- Data-hold facility
- DCA zero button for accurate reading
- Low battery indication
- Auto power off

UPGRADE



GENERAL SPECIFICATIONS :

- **Sensing :** True RMS sensing
- **Jaw opening size :** cables ϕ 40mm
- **Display :** 3-5/6 digit 6000 counts liquid crystal LCD display.
- **Over range indication :** Display of "OL" on LCD at the highest position means range selection too low for the input. (Except for ranges of 1000A AC, & 600V AC / DC)
- **Polarity :** Symbol "-" automatic displayed for negative input.
- **Sampling rate :** 3 times per second (Digital display)
- **Auto power off :** The meter is automatically powered off after idling for 15 minutes. To awake the meter, turn the rotary function switch or push any button.
- **Operating Temperature & Humidity :** 0°C to 40°C; < 80% R.H. Non-condensing
- **Low battery :** The symbol "⊟" is displayed when the batteries are weak and below the operating Voltage. Replace batteries immidiately.
- **Battery life :** Approx. 60 hrs continuously use with alkaline batteries.
- **Power supply :** 1.5V AA x 2
- **Dimension :** 228(L) x 76(W) x 39(H) mm
- **Weight :** approx. 465gms. (Including batteries)

SAFETY : EN61010-1 Pollution Degree 2, CAT III 600V.

ACCESSORIES : Test leads (pair), Battery installed, User's manual, K-Type Thermocouple & Carrying case.

ELECTRICAL SPECIFICATIONS : 2781-T

Accuracy are : ±(% of reading + number of digits) at 18°C to 28°C with relative humidity below 80%R.H.

CAPACITANCE

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

Overload Protection : 250V rms

DC CURRENT

Range	Resolution	Accuracy
40 A	10 mA	± (2%rdg + 5dgts)
400 A	0.1 A	
1000 A	1 A	

Overload Protection : 1200A

AC CURRENT

Range	Resolution	Accuracy
40 A	10 mA	± (2%rdg + 5dgts)
400 A	0.1 A	
1000 A	1 A	

Overload Protection : 1200A

FREQUENCY

Range	Resolution	Accuracy
100Hz	0.01 Hz	±(0.5%rdg+3dgts)
1KHz	0.1 Hz	
10KHz	1 Hz	
100KHz	10 Hz	
1MHz	100 Hz	
10MHz	1 KHz	Unspecified
DUTY CYCLE : 0.1% ~ 99.9%		

Over load protection : 250Vrms
Sensitivity : 1V

DC VOLTAGE

Range	Resolution	Accuracy
400 mV	0.1 mV	±(1.0%rdg+5dgts)
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 : 1200Vrms
Input Impedance : 10MΩ

AC VOLTAGE

Range	Resolution	Accuracy
400 mV	0.1 mV	±(1.8%rdg+5dgts)
4 V	0.001 V	±(1.0%rdg+5dgts)
40 V	0.01 V	
400 V	0.1 V	
1000 V	1 V	±(1.5%rdg+5dgts)

Overload protection : 660Vrms
Input Impedance : 10MΩ
Frequency Response : 40Hz ~ 450Hz for 400V & below, 40Hz ~ 100Hz for 1000V

DIODE & CONTINUITY TEST

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

Overload Protection : 250V RMS

RESISTANCE

Range	Resolution	Accuracy
400 Ω	0.1 Ω	±(1.2%rdg+8dgts)
4 KΩ	1 Ω	±(1.0%rdg+2dgts)
40 KΩ	10 Ω	
400 KΩ	100 Ω	
4 MΩ	1 KΩ	
40 MΩ	10 KΩ	± (2%rdg+5dgts)

Overload Protection : 250V rms

TEMPERATURE

Range	Resolution	Accuracy
-40°C~1000°C	1°C	±(2.5%+3°C)
-40°F~1820°F	1°F	±(2.5%+5°F)

Type-K thermocouple range & accuracy not specified
Supplied K-type thermocouple suitable for 250°C.

All Specifications are subject to change without prior notice

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