



1000A DC/AC DIGITAL CLAMP METER

Model
2781 / 2781-T (True RMS)



Features :

- Jaw opening dia - cable ϕ 40mm
- 3 $\frac{3}{4}$ digit (4000 counts) LCD for accurate reading
- Overload protection on all ranges.
- Data-hold facility
- DCA zero button for accurate reading
- Low battery indication
- Auto power off
- Accessories : Test leads, carrying case, manual, battery installed

ELECTRICAL SPECIFICATIONS

DC CURRENT

Range	Resolution	Accuracy
400 A	0.1 A	$\pm (2\%+5)$
1000 A	1 A	

Overload Protection : 1000A

AC CURRENT

Range	Resolution	Accuracy
400 A	0.1 A	$\pm (2\%+5)$
1000 A	1 A	

Overload Protection : 1000A

AC VOLTAGE

Range	Resolution	Accuracy
400mV (2781-T)		$\pm (1.8\%+5)$
4 V	0.001V	$\pm (1.0\%+5)$
40 V	0.01V	
400 V	0.1V	$\pm (1.5\%+5)$
600 V (2781-T)		
750V	1V	

Overload protection : 820Vrms

Overload Protection : 10M Ω

RESISTANCE

Range	Resolution	Accuracy
400 Ω	0.1 Ω	$\pm (1.2\%+5)$ $\pm (1.5\%+5)$ (2781-T)
4K Ω	1 Ω	
40K Ω	10 Ω	$\pm (1.0\%+2)$
400K Ω	100 Ω	
4M Ω	1K Ω	$\pm (2\%+5)$
40M Ω	10K Ω	

Overload Protection : 250 Vrms

DC VOLTAGE

Range	Resolution	Accuracy
400mV (2781-T)		$\pm (1.0\%+5)$
4 V	0.001V	$\pm (0.8\%+2)$
40 V	0.01V	
400 V	0.1V	$\pm (1.0\%+2)$
600 V (2781-T)		
1000 V	1V	$\pm (1.0\%+2)$

Overload protection : 1100Vrms

Overload Protection : 10M Ω

CAPACITANCE

Range	Resolution	Accuracy
40 nF	0.01 nF	$\pm (2.5\%+10)$
400 nF	0.1 nF	
4 μ F	1 nF	$\pm (2.0\%+4)$
40 μ F	10 nF	
100 μ F	100 nF	Unspecified

Overload Protection : 250 Vrms

FREQUENCY

Range	Resolution	Accuracy	Sensitivity
10Hz (2781 only)	0.01Hz	Unspecified	1V
100Hz	0.1Hz	$\pm (0.5\%+3)$	
1KHz	1Hz		
10KHz	10Hz		
100KHz	100Hz		
1MHz	1KHz		
10MHz	10KHz	Unspecified	

Over load protection : 250V rms

DIODE & CONTINUITY TEST

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

TEMPERATURE (2781-T)

Range	Accuracy
-40°C ~ 1000°C	$\pm (2.5\%+3^{\circ}\text{C})$
-40°F ~ 1832°F	$\pm (2.5\%+5^{\circ}\text{F})$



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