

DCA/ACA, 1000 A, Peak hold, Temperature
DIGITAL CLAMP METER

Model : DM-6055C

ISO-9001, CE, IEC1010



Lutron

LUTRON ELECTRONIC

The Art of Measurement

1000A, ACA/DCA CLAMP METER (with °C TEMP.) Model : DM-6055C

1000A, ACA/DCA CLAMP METER (with °F TEMP.) Model : DM-6055F

FEATURES	
* Measure max. 1000 A DCA or ACA by the inductive conductor, contactless.	* LCD display, easy & clear readout.
* Design meet IEC 1010 safety requirement.	* High internal impedance, assures min. measuring error.
* Multi-functions for ACA, DCA, ACV, DCV, ohms, Diode, Temperature.	* LSI-circuit provides high reliability and durability.
* Built-in Data Hold function.	* Built-in low battery indicator.
* Built-in Peak Hold function for measuring transient signal.	* Overload protection circuit is provided for all range.
	* Compact & heavy duty ABS housing plastic case.

GENERAL SPECIFICATIONS				
Display	13 mm (0.5") LCD, 3 1/2 digits. Max. indication 1999.		Power Consumption	Approx. DC 11 mA.
Measurement Range &	ACA, DCA, ACV, DCV, ohms, Data hold, Peak Hold, Temperature.		Operating Temp.	0 °C to 50 °C (32 °F to 122 °F)
			Operating Humidity	Less than 80% RH.
Polarity	Automatic Switching, " - " indicates negative polarity.		Weight	400 g/0.90 LB (including battery).
			Dimension	230 x 70 x 36 mm (9.1 x 2.8 x 1.4 inch)
Current Sensor	Hall effect sensor.		Conductor Jaw	78.5 mm (3.1 inch) - outside
Zero adjustment	DCA	External knob, for DCA zero adjustment.	Size	
	Others	Automatic adjustment.		
Over-input	Display shows '1' or '-1'.		Accessories	Test lead (red & black)..... 1 Pair Operation manual..... 1 PC. Carrying case 1 PC. TP-01 Thermocouple probe with plug..... 1 PC.
Sampling Time	Approx. 0.4 second.			
Battery	Heavy duty type, DC 9V battery. 006P, MN1604 (PP3) or equivalent.			

ELECTRICAL SPECIFICATIONS (23± 5 °C)					
Function	Range	Resolution	Accuracy	Overload Circuit Protection	Remark
DC Voltage	200 V	0.1 V	± (0.8 % + 1 d)	AC/DC 600 V.	Input impedance 10 Megaohm
	600 V	1 V			
AC Voltage (50/60Hz)	200 V	0.1 V	± (1 % + 2 d)	AC/DC 600 V.	Input impedance 10 Megaohm
	600 V	1 V			
Resistance	2000 ohm	1 ohm	± (1 % + 1 d)	AC/DC 400 V	
AC/DC Current	200 A	0.1 A	± (1.5 % + 10 d)	AC/DC 1000 A	ACA Spec. test on 60 Hz/50 Hz.
	1000 A	1 A			
Temp. °C Model (DM-6055C only)	-40 °C to 750 °C	1 °C	0 to 750 °C : ± (1 % + 2 °C)		
			0 to -20 °C : typ. ± 2 °C -20 to -40 °C : typ. ± 3 °C		
Temp. °F Model (DM-6055F only)	-40 °F to 1400 °F	1 °F	32 to 1400 °F : ± (1.2 % + 3 °F)		
			1400 to 1800 °F : typ. ± (2 % + 3 °F) 32 °F to -4 °F : typ. ± 4 °F -4 °F to -40 °F : typ. ± 6 °F		
Diode Check	Short/non conductance, good/defect test. Approx. diode VF (forward voltage).				
Peak Hold	Acquisition Time : 150 ms, Accuracy : 3%, Display Decay Rate : < 2 digits/sec. Application : Use for measuring transient signal for current .				
Data Hold	Available for all functions to keep the data hold on the display .				
Remark	* Input impedance for ACV & DCV range is 10 Mega ohm. * ACA, ACV frequency response is from 40 to 400 Hz. * ACA, ACV specification be tested on sine wave 50/60 Hz.				

THERMOCOUPLE PROBE (type K)			
TP-01	-40 °C to 250 °C (300 °C short- term). Ultra fast response naked-bead probe.	TP-03	-50 °C to 1200 °C (-50 °F to 2200 °F). High temperature, Penetration & immersion.
TP-02A	-50 °C to 900 °C (-50 °F to 1650 °F). Penetration & Immersion applications.	TP-04	-50 °C to 400 °C (-50 °F to 752 °F). Precision surface temp. measurement usage.
* Remark : TP-01 is the standard accessory of the DM-6055C, DM-6055F. TP-02A, TP-03, TP-04 are optional.			