

DCA/ACA, 1000 A, Peak hold, Temperature

# DIGITAL CLAMP METER

Model : DM-6055C/ DM-6055F

ISO-9001, CE, IEC1010

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*The Art of Measurement*

DCA/ACA, 1000 A, Peak hold, Temperature

## DIGITAL CLAMP METER

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

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

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### FEATURE

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

### GENERAL SPECIFICATION

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

## 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	± ( 2 % + 5 d )		
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		
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	<ul style="list-style-type: none"> <li>* Input impedance for ACV &amp; DCV range is 10 Mega ohm.</li> <li>* ACA, ACV frequency response is from 40 to 400 Hz.</li> <li>* ACA, ACV specification be tested on sine wave 50/60 Hz.</li> </ul>				

## THERMOCOUPLE PROBE (type K)

TP-01	-40 °C to 250 °C ( 300 °C short- term ). Ultra fast response naked-bead probe.
TP-02A	-50 °C to 900 °C ( -50 °F to 1650 °F ). Penetration & Immersion applications
TP-03	-50 °C to 1200 °C ( -50 °F to 2200 °F ). High temperature, Penetration & immersion
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.

\* Appearance and specifications listed in this brochure are subject to change without notice.

DM-6055+0408

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