

## 2000A, ACA/DCA CLAMP METER ( with °C, °F TEMP. )

Model : DM-6059C , DM-6059F

FEATURES	
* Heavy duty, max. 2000 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 10.8 mA.
Measurement Range &	ACA, DCA, ACV, DCV, ohms, Data hold, Peak Hold,	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	480 g/0.22 LB (including battery).
		Dimension	250 x 70 x 36 mm (9.8 x 2.8 x 1.4 inch)
Current Sensor	Hall effect sensor.	Conductor Jaw Size	86 mm ( 3.4 inch ) - outside
Zero adjustment	DCA External knob, for DCA zero adjustment. Others Automatic adjustment.	Accessories	Test lead (red & black)..... 1 Pair Operation manual..... 1 PC. Carrying case ..... 1 PC. TP-01 Thermocouple probe with plug..... 1 PC.
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.		

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	ACA Spec.
AC/DC Current	200 A	0.1 A	± ( 1.5 % + 10 d )	AC/DC 2000 A	test on 60 Hz/50 Hz
	2000 A	1 A	± ( 2 % + 5 d ) * Spec. accuracy is tested under the range 1,500 A.		
Temp. °C Model (DM-6059C 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-6059F 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-6059C, DM-6059F. TP-02A, TP-03, TP-04 are optional.			