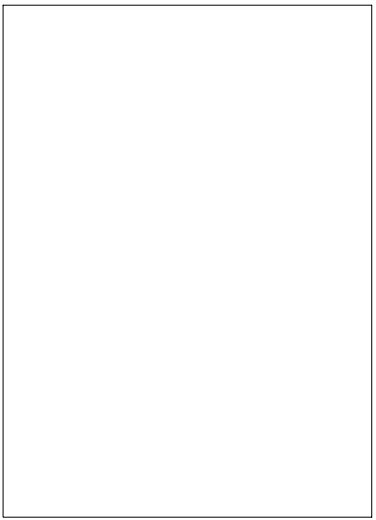
DCA/ACA *200 A/2000 A*
CLAMP ADAPTER



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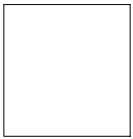
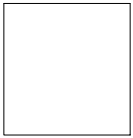
Caution Symbol



Caution :

*** Risk of electric shock !**

*** When make the measurement, do not clamp any conductor that not insulated.**



Caution :

*** Do not apply the overload current to the Current Sensing Jaw.**

*** Stop the measurement before open the battery cover !**

*** Cleaning - Only use the dry cloth to clean the plastic case !**

Environment Conditions

* Installation categories III .
* Pollution Degree 2.
* Altitude up to 2000 meters.
* Indoor use.
* Relative humidity 80% max.

1. FEATURES

* To match "DIGITAL MULTIMETER" be used as a DIGITAL DCA & ACA CLAMP METER.
* Wide measuring range max. measuring up to 2000 ACA, 2000 DCA.
* Design to meet IEC1010 safety requirement.
* Build in low battery check function.

2. SPECIFICATIONS

2-1 General Specifications

Range	ACA	0 - 2000 ACA 2 ranges (200 ACA, 2000 ACA)
	DCA	0 - 2000 DCA 2 ranges (200 DCA, 2000 DCA)
Output	ACA	1 AC mV per 1 ACA.
	DCA	1 DC mV per 1 DCA.
ACA Frequency Response	ACA frequency response is from 40 to 400 Hz, specification be tested on sine wave 50/60 Hz.	
Sensor	Hall effect sensor.	
DCA Zero Adjustment	External knob, adj. limited within approx. (30 to 50 DCA).	
Battery	006P, MN1604 (PP3) DC 9V battery or equivalent, alkaline or heavy duty batteres.	
Power Consumption	Approx. 15 mA	
Operating Temperature	0蚓 to 50蚓 (32蚌 to 122蚌)	

Operating Humidity	Less than 80% RH	
Max. Conductuctor Size	56 mm (2.2 inch) Dia.	
Dimension	Meter	210 x 64 x 33 mm (8.3 x 2.5 x 1.3 inch)
	Jaw	86 mm (3.4 inch) - outside.
Weight	414 g/0.91 LB (with battery).	
Accessory Include	Operation Manual..... 1 PC.	

2-2 Electrical Specifications (23 5 C)

Function	Range	Accuracy	Overload Protection
DC current	200 A	1.5% + 1 A)	AC/DC 2000 A
	2000 A	2% + 5 A) * *Accuracy is tested under the range 1,500 A.*	
AC current	200 A	1.5% + 1 A)	AC/DC 2000 A
	2000 A	2% + 5 A) * *Accuracy is tested under the range 1,500 A.*	

Remark :
Spec. tested under the environment RF Field Strength less than 3 V/M & frequency less than the 30 MHz only.

3. FRONT PANEL DESCRIPTION

Fig. 1

3-1 Current Sense Jaw
3-2 Trigger
3-3 DCA Zero Adjust Knob
3-4 LO BAT indicator
3-5 Power Indicator
3-6 OFF/200A/2000A Range Switch
3-7 Output Plugs
3-8 Battery Compartment/Cover

4. MEASURING PROCEDURE

Caution :

*** Risk of electric shock !**

*** When make the measurement, do not clamp any conductor that not insulated.**

Caution :

*** Do not apply the overload current to the Current Sensing Jaw.**

Power on the meter by slide the " OFF/200A/2000A Switch " (3-6, Fig. 1) to the " 200A " or " 2000A " position, the Power Indicator (3-5, Fig. 1) will light.

4-1 AC current Measurement

1) Determine the highest anticipated ampere (2000A or 200A) on the " OFF/200A/2000A Switch " (3-6, Fig. 1).
2) Insert the " Output plugs (red or black) " (3-7, Fig. 1) to the input terminal of Digital Multimeter. Set the Multimeter to " AC 200 mV " or " AC 2V " range.
3) Press the " Trigger " (3-2, Fig. 1) to open the transformer jaws and clamp one conductor only, then read the display values from the Multimeter directly (Display : 1 AC mV per 1 ACA).

4-2 DC Current Measurement

1) Determine the highest anticipated ampere (2000A or 200A) on the " OFF/200A/2000A Switch " (3-6, Fig. 1).
2) Insert the " Output plugs (red or black) " (3-7, Fig. 1) to the input terminal of Digital Multimeter. Set the Multimeter to " DC 200 mV " or " DC 2V " range.

3) Adjust the " DCA Zero Adjust knob " (3-3, Fig. 1) until the display show " 0 "
4) Press the " Trigger " to open the transformer jaws and clamp one conductor only, then read the display values from the Multimeter (Display : 1 DC mV per 1 DCA).

Consideration:

Some magnetic force may remain in the jaw core. If the display will not read zero when adjusting the DCA ZERO ADJ., use the following procedure to correct it :

A. To change the direction of the measured DC current.

or B. Open the JAWS several times.

5. MAINTENANCE

Caution :

*** Stop the measurement before open the battery cover !**

5-1 Battery Replacement

1) When the " LO BAT " indicator (3-4, Fig. 1) is light, it is necessary to replace the battery.
   Measurements may still be made several hours after the " LOBAT " indicator appears before the instrument becomes inaccurate.
2) Open the " Battery Cover " (3-8, Fig. 1) away from the instrument and remove the battery.
3) Install a 9 V battery (Alkaline or heavy duty type) and replace the cover.

5-2 Cleaning

Caution :

*** Cleaning - Only use the dry cloth to clean the plastic case !**

6. THE ADDRESS OF AFTER SERVICE CENTER