

# portable weld checker

# MM-380A

- Measures current, voltage and force
- Weld-through sensor
- Easy screen-menu navigation
- Intuitive waveform and data analysis
- Printer and RS232 output



### **Measure current, voltage and force**

Understand, optimize and benchmark your process and equipment

### **Weld through sensor**

Measure force, current and voltage simultaneously at the electrodes

### **Easy screen navigation**

Scroll through and select menus with rotary dial

### **Waveform and data analysis**

Precise graphical displays of waveform time and amplitude

### **Printer option**

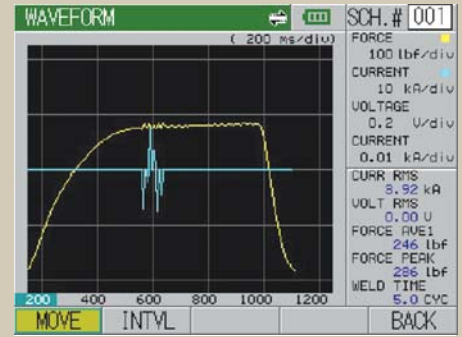
Instant screen prints and waveforms

### **RS232 output**

Color screen capture and data collection through COM port



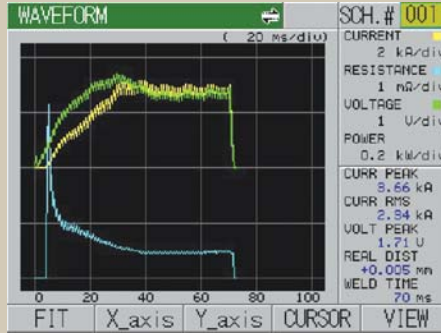
Drop-down Menu Navigation



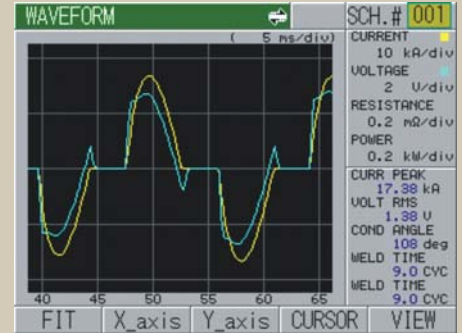
Force and Current Timing

DATE	TIME	SCH	CURRENT (RMS)
~ 06/15	16:28:54	001	10.00 kA
~ 06/15	16:28:46	001	10.03 kA
~ 06/15	16:28:39	001	9.94 kA
~ 06/15	16:28:33	001	10.13 kA
06/15	16:28:27	001	9.82 kA
06/15	16:28:22	001	9.69 kA
06/15	16:28:16	001	8.70 kA
06/15	16:28:10	001	8.22 kA
06/15	16:26:50	001	7.93 kA

Weld History



Current, Voltage and Resistance



Zoom of Current and Voltage

ACCESSORIES



Printer



Coils

SPECIFICATIONS

<b>Current Range</b>	0.010 to 200.0kA
<b>Force Range, (MM-370A-00-01 Only)</b>	MA-770A-01: 55 to 1102 lbf, (25 to 500 kgf) MA-771A-01: 110 to 2204 lbf, (50 to 1000 kgf); MA-520: 1.10 to 22.04 lbf, (0.50 to 10.00 kgf) MA-521: 11.0 to 220.4 lbf, (5.0 to 100.0 kgf); MA-522: 110 to 2204 lbf, (50 to 1000 kgf)
<b>Voltage Range</b>	0.30 to 20.0 Volts
<b>Current Measurement Time</b>	AC Current, Cycles: 0.5 to 600.0 Cycles at 60 Hz ; AC Current, ms: 1 to 2000 ms DC Current, Cycles: 0.5 to 120.0 Cycles at 60 Hz; DC Current, ms: 1 to 2000 ms
<b>Force Measurement Time</b>	1 to 6000 ms
<b>Measurement Mode for Voltage and Current</b>	Arithmetic Mean RMS or Maximum, (Peak)
<b>Data Output</b>	RS-232 and Optional External Printer
<b>Number of Schedules</b>	127
<b>Dimensions Inches (mm) H x W x D</b>	9.9 x 5.5 x 2.2 (252 x 140 x 56) Excluding Protrusions
<b>Weight Lbs (kg)</b>	2 (0.9)
<b>Power Requirements, (AC Adapter)</b>	100 - 240 VAC, 50/60Hz
<b>Battery Operation Time</b>	Approximately 2 Hours with 1 battery, 4 Hours with 2 batteries. 1 battery included.

Your Local Representative



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