

■ AC Welding Power Supply



MEA-100A

Best for precision resistance welding of small parts.

Features

- Clear display with LED.
- Up to thirty one schedules can be set.
- Easy setting by seven press keys.
- Four welding control systems: Multiple cycle welding/ secondary constant current control, multiple cycle welding / voltage compensated control, single cycle welding/ voltage compensated control, and half cycle welding / voltage compensated control.
- An automatic maximum current configuration.
The maximum current setting is automatically configured through test run to optimize the performance of the device.
- The welding current is monitored using the a toroidal coil.
The upper and lower current limits can be fixed. This will aid the quality control.
- Support for export.
CCC supported. There are also 480V version for USA.

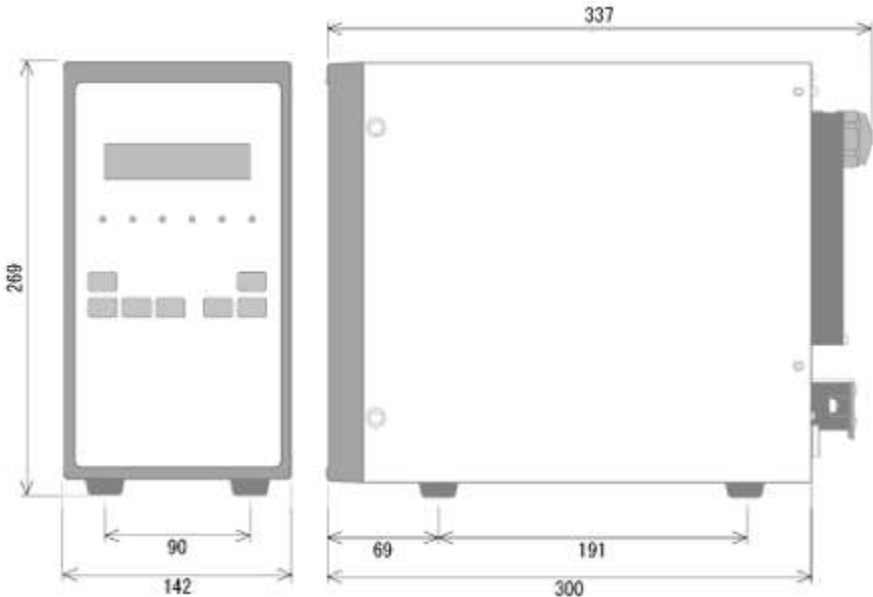
Specifications

Model	MEA-100A	
Power requirement *	Single-phase Automatic switching (The voltage can be switched, but the factory setting is fixed.)	
Maximum capacity	20kVA (10% duty cycle, 200VAC Input) / 26kVA (10% duty cycle, 400VAC Input) / 31kVA (10% duty cycle, 480VAC Input)	
Control method	1. Secondary constant current control type	
	2. Power supply voltage fluctuation compensation control type	
Welding current control	1. Multi - cycle welding	
	2. Single - cycle welding	
	3. Half - cycle welding	
Control speed	Half - cycle	
Current accuracy		±2% max. of power supply voltage fluctuation ±10% ±2% max. of load fluctuation ±10%
	For secondary constant current control	±2% max. of load fluctuation ±10%
	For power supply voltage fluctuation compensation control	±3% max. of power supply voltage fluctuation ±10%
Timer setting (31 schedules)	Multi - cycle welding	Squeeze, weld 1, cool, weld 2, hold ... 0 - 99cycles Upslope 1, upslope 2, downslope 0 - 9cycles Pulsation 1 - 9times
	Single - cycle welding	Squeeze, 0 - 99cycles First-half wave, second-half wave 0.5cycle
	Half - cycle welding	Squeeze, 0 - 99cycles Half wave

		0.5cycle
Current value setting range (31 schedules)	For secondary constant current control	Current value 1, current value 2 ... 0.20 - 9.99kA (0.01kA unit)
	For power supply voltage fluctuation compensation control	Current value 1, current value 2 ... 0.0 - 99.9kA (0.1% unit)
Current monitoring (31 schedules)	For secondary constant current control	Upper limit setting: +1 to +49% Lower limit setting: -1 to -49%
	For power supply voltage fluctuation compensation control	Upper limit setting: 0.01 - 9.99kA (0.01kA unit) Lower limit setting: 0.01 - 9.99kA (0.01kA unit)
Options	Toroidal coil MB-35E (Required for secondary constant current control)	
Ambient temperature and humidity	Temperature = 0 to 45°C Humidity = 90% max.(No condensation)	
Power consumption	For standby 15W max.	
Mass	6.5kg	

- * Set at the factory

External view



Corresponding transformer

Model	MT-510AC	MT-520AC	MT-530A	MT-25
Rated capacity	1.0kVA	3.2kVA	6kVA	11.1kVA
Rated primary voltage	200VAC +/-10%			
Rated secondary voltage	1.2V/ 1.8V/ 2.5V/ 3.5V (Without Load)	2.5V/ 3.2V/ 4.0V/ 5.0V (Without Load)	50Hz: 2.7V/ 3.4V/ 4.3V/ 5.3V 60Hz: 2.2V/ 2.8V/ 3.6V/ 4.4V (Without Load)	2.6V/ 4.0V (paralell) 5.3V/ 8.0V (straight)
Input frequency	50/60Hz			
Maximum output current	1600A	3700A	50Hz: 6600A 60Hz: 5500A	8000A
Duty factor (@100ms)	1.5% or below			
Cooling method	Air cooling			Water cooling
Dimensions and Mass	193W x 284D x 177.3H mm / 20kg	182.5W x 358D x 199.5H mm / 35kg	228W x 370D x 244H mm / 52kg	180W x 370D x 240H mm / 60kg