



Pulsed TIG Welder



MAW-050A MAW-300A

Best suited for joining coated wires, various alloy terminals, and bus bars.

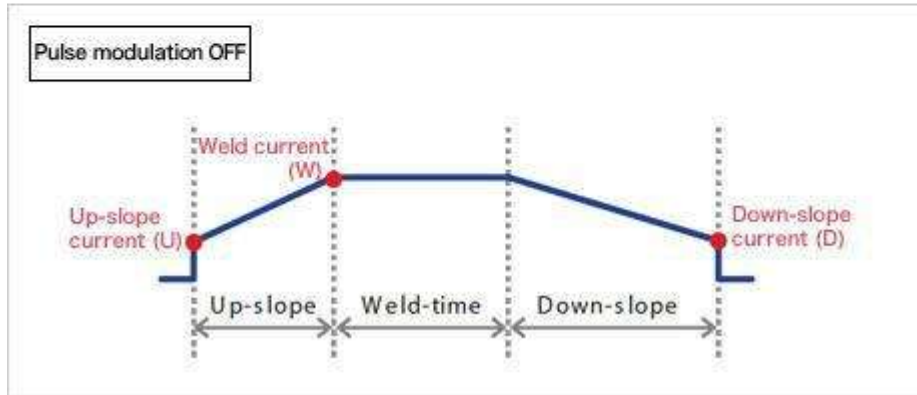
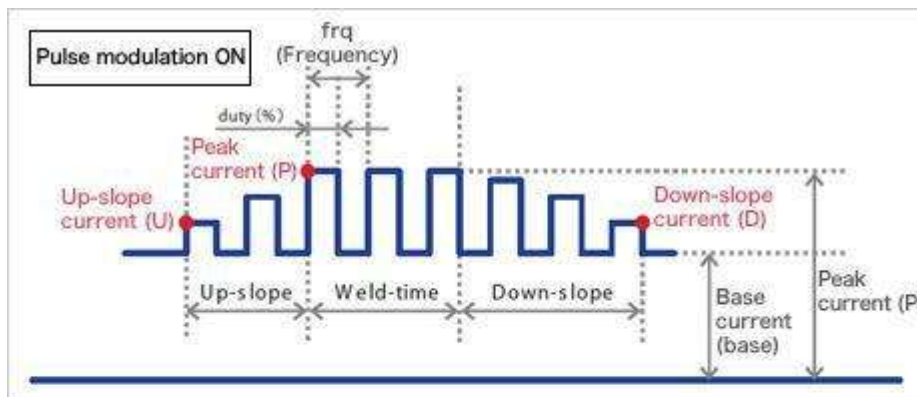
[MAW series]

A DC type TIG welder (arc welder). This welder, offering welding quality with little heat affected area, is capable of arc welding of precision parts and micro parts.

- Capable of fused joining of metals with high melt point and dissimilar metals
This welder generates arcs between an object to be welded and the tungsten electrode and carries out welding using the generated heat. Unlike diffusion joining methods such as resistance welding and ultrasonic welding, this method is capable of fused joining of dissimilar metals.
- Digital settings facilitating the management of welding conditions
The welding current value and the welding time can be set as digital values. More than one set of optimal welding conditions can be memorized. This unit can be used to display an actual average welding current value and evaluate it against the upper and lower limits.
- Contactless welding
Unlike resistance welding, pulse TIG welding does not need to apply weld force, so it does not bend a part. It would be able to weld even a part and electrodes are not at the right position. Pulse TIG welding is best suited especially for a part with projection.
- New feature: Pulse modulation feature.

Pulse modulation feature is newly added to MAW-300A/050A!

- Melted arc balls and inner blow hall are reduced and welded area gets smoother.
- Due to gradual heat up, heat affected area is reduced.
- Size and shape of arc ball is controllable, so uniform quality control is possible.
- o Pulse modulation feature can set within the range of between 1 to 500Hz.
- o Pulse modulation feature is switchable to ON / OFF.

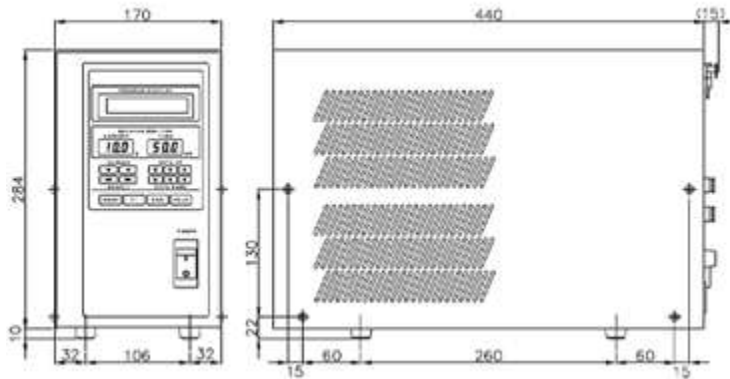


Specification

Model	MAW-300A	MAW-050A
Power requirements	200VAC +/-10%, 50/60Hz, Three phase	200VAC +/-10%, 50/60Hz, Single phase
Power consumption	13.5kVA (5%)	2.3kVA (5%)
Number of channel	32	
Control method	FET driven constant current control	IGBT driven constant current control
Set range of control current	20 to 300A	1 to 50A
Set range of weld time	0 to 2000ms	0 to 999ms
Maximum duty factor	5%	5%
Mass	30kg (excluding torch and torch stand)	15kg (excluding torch and torch stand)

External view

- MAW-050A



- MAW-300A

