Panasonic

PANA-TIG WP

Thyristor Controlled AC/DC Pulse TIG Arc Welder

One Welder Operates Like Nine Welders and Applicable to Wide Variety of Welding.

ISO14001
认证取得
CCEMS

ISO9001质量体系认证取得
注册号：0597A190

Model
YC-300WP-5

One class high ability with Multi-Purpose welding functions.


DC Pulse TIG


AC Pulse TIG


DC TIG


AC TIG


Automatic TIG Filler


Automatic TIG w/Robot

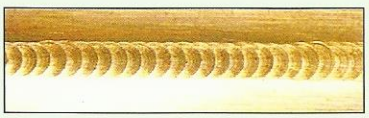

DC Manual


AC Manual

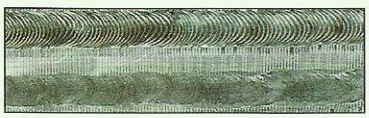

DC TIG Arc spot

FEATURES

1、It has good output characteristics, stable arcing performance from the small current to rated current for welding of various thicknesses of plates, especially suitable for thin plates.

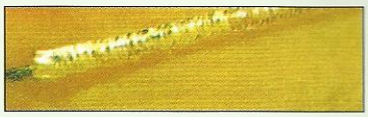


2、Very useful as power source for Butt welding of thick plate and pipe which needs high quality and penetration bead.



3、High quality welding, constant penetration and stable welding bead can be obtained by the good arc concentration.

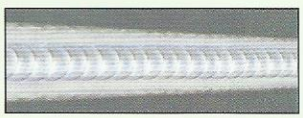
4、Very easy to operate vertical welding, TIG filler welding operation, tack welding for thin plate and repeated short length welding, etc... by heat capacity control of pulse current. So, high efficiency welding can be done.



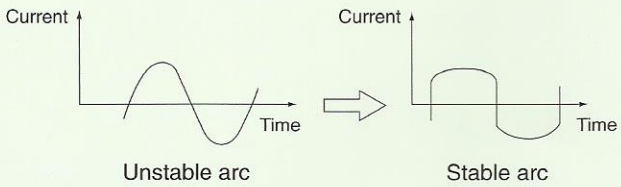
5、Fine treatment and increase the weld quality of welding start / finish with Up-slope control and Down-slope control.

6、Precisely controls the arc conditions for AC/DC manual welding of stainless-steel, special steel such as Cr-Mo steel by means of refined electronics techniques so that optimum dynamic characteristics can be obtained.

7、By using cleaning width adjustor, more oxide can be effectively removed at low welding current while the loss of tungsten electrode can by reduced at high welding current.



8、Equipped with advanced reactor control technology, its AC square wave output becomes very stable and stability is thus enhanced considerably, thereby high welding quality is obtainable.



Unstable arc　　Stable arc

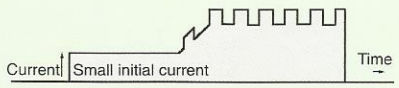
SPECIFICATIONS

Rating			PANA-TIG WP-300(with Pulse) YC-300WP-5
Input		kVA	33.4/15.9(1φ50/60Hz)
Duty cycle		%	35*
DC no load votage		V	70
AC no load voltage		V	76
DC output current	TIG	A	5~315
	Manual		5~315
DC output voltage	TIG	V	10.2~22.6
	Manual		20.2~32.6
AC output current	TIG	A	5~315
	Manual		5~315
AC output voltage	TIG	V	10.2~22.6
	Manual		20.2~32.6
DC initial&crater current(TIG)		A	5~315
AC initial&crater current(TIG)		A	15~315
Initial current control			Available when Crater control On or Repetition
UP slope control time		sec.	0,0.1~6(Continuously)Adjustable to without control(by P.C.B)
Down slop control time		sec.	0,0.2~10(Continuously)Adjustable to without control(by P.C.B)
Gas pre-flow time		sec.	0.3
Gas after-flow time		sec.	5~25(Continuously)
Arc spot time adjustment		sec.	0.5~5(Contiuously)
Cleaning width adjustment			Adjustable with AC TIG welding
Pulse frequency		Hz	0.5~10(Continuously)
Dimensions(WxDxH)		mm	465 x 846 x 617
Weight		kg	193
Remote controller			YC-304URW(cable length 4m)
Encloser standard			IP21S

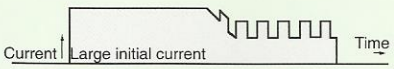
The * mark shows in case of DC manual welding, DC TIG welding and AC TIG welding which is adjusted to [WIDE] side of cleaning width control.
Please inform us of primary voltage.

High quality welding result with Pulse TIG welding for all applications.

• Initial current control



• To prevent burn through for thin plate welding. For confirmation of arc start point.



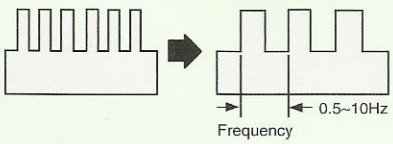
• To prevent incomplete penetration for thick plate welding.

• Up-slope time control

• To improve the weld quality at welding start by smooth changing from initial current to welding current with Up-slope time control.

• Pulse frequency control

• To change number of welding bead ripples and bead breadth.

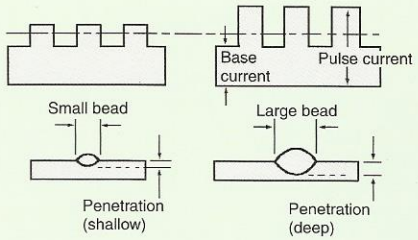


• Three kinds of crater treatment control

• Gas afterflow time control

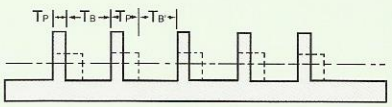
• Pulse current control

• Able to choose any pulse current as you like.



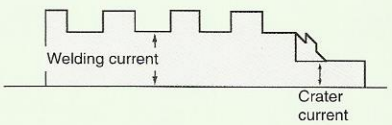
• Pulse ratio control

• Penetration control is easy, because it can control average current keeping strong and stable arc with pulse TIG welding.



• Down-slope time control

• Smooth ending of welding with Down-slope time control.



• Arc spot welding time control