

Panasonic

ideas for life

Bangkok Welding
(Thailand)

Full Digital DC TIG Welding Machine

YC-200BL3_{YNA}

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Full Digital Controlled Welding Machine

FULL DIGITAL

Realized Slim & Lightweight !

Portable type greatly
optimizing for on-site
welding.

NEW

Portable type
Base
machine
weight
9kg



Panasonic pursues **Only one** in welding

Easy to Use On Site!

Designed to use for on-site welding!



295 mm
420 mm
95 mm
Retractable stabilizing brackets

Portable type
Base machine weight
9 kg

Three units maximum stacking load for storage!

※This product cannot weld when put on its side.

- **Portable**
 - Only 9 kg despite all metal strong case!
 - Easy-to-carry shape
- **Applicable to rated voltage 200 to 240 V (170 to 264 V)**
Stable performance regardless of on site power supply conditions
- **Retractable stabilizing brackets at the bottom**
- **Voltage reducing device that prevents electrical shock in standby condition (Stick welding)**
- **Arc drive function that prevents the electrode from sticking to the workpiece (Stick welding)**

Easy Operation!

High functionality & easy operation with Full Digital control!

200BL3 body

Large jog dial and three buttons for settings!

Simple operation panel

- Digital display** (for settings and actual output value)
- Welding conditions LEDs** (LEDs of configurable items light up)
- Welding conditions select button**
- Jog dial** (for changing the settings)
- Easy settings of crater and pulse**
- Mode select button** (REPLAY/RECORD/DETAIL/STICK)

Record and replay of up to 9 welding conditions can be utilized for welding various workpieces.

Stable Welding Quality!

Full Digital control allows easy setting, record and replay of detailed welding conditions!

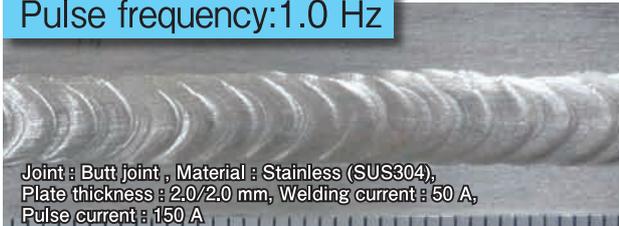
- Excellent arc starts
- Welding current setting at an increment of 1 ampere
- The best suited welding conditions for diversified metals and joints

DC pulse welding

DC TIG welding

Achieved high-quality welding of various workpieces by the setting range of 0.5 to 500 Hz!

Pulse frequency:1.0 Hz



- Best for all position welding and penetration welding
- Effective for the butt weld joints with different plate thickness

Pulse frequency:500 Hz



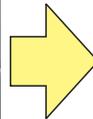
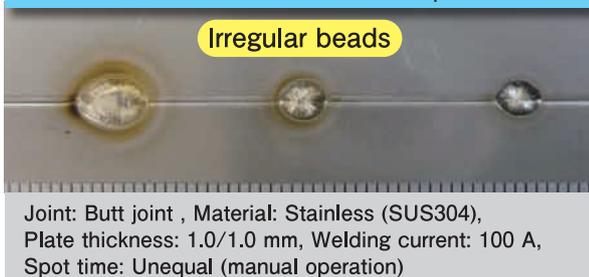
- Better directional quality and concentration of the arc
- Best for thin plate welding with low current

Arc spot welding

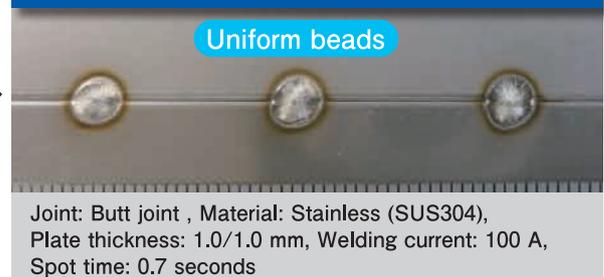
DC TIG welding

Uniform bead appearance and constant weld penetration by the setting range of 0.1 to 5.0 seconds in 0.1 second increments!

Conventional model (without arc spot function)



200BL3



Record and replay of up to 9 welding conditions

DC TIG welding

Precise reproduction of successful welding improves welding quality!

Case 1: On-site work



I want to set the best welding conditions for various weld joints and plate thickness.

Use record function as data base.

Case 2: Inexperienced operators



I often forget the welding conditions because I don't weld routinely.

Use record function instead of memo pad.

Case 3: Production site



Welding quality is different depending on the operator.

Share the recorded welding conditions for stable welding quality.

Case 4: Skill training



TIG welding is difficult to learn because of its many settings.

Use the best welding conditions obtained by experienced operators.

9 memory channels



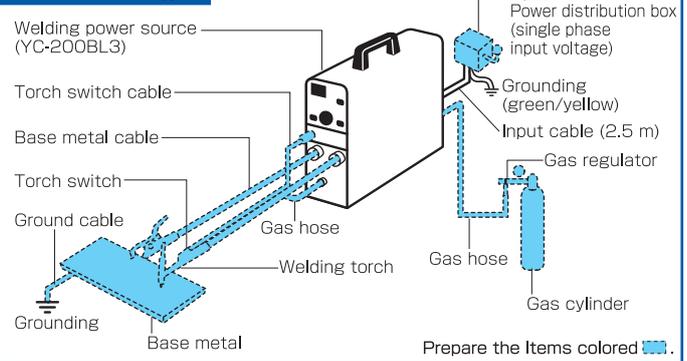
Rated specifications

Welding power source		YC-200BL3YNA	
Rated input voltage, frequency	—	Single phase, 200 to 240 V (170 to 264 V) 50/60 Hz	
Rated input	—	7.3 to 7.8 kVA, 4.8 to 5.1 kW	
Maximum no-load voltage	VDC	65	
Rated output current	DC TIG	ADC	200
	DC stick		150
Rated output voltage	DC TIG	VDC	18
	DC stick		26
Rated duty cycle (10minute cycle)	%	20	
Output current range	DC TIG	A	5 to 200
	DC stick		5 to 150
Up-slope time	s	0.0 to 10.0 (in 0.1 s increments)	
Down-slope time	s	0.0 to 10.0 (in 0.1 s increments)	
Gas pre-flow time	s	0.0 to 25.0 (in 0.1 s increments)	
Gas post-flow time	s	0.0 to 25.0 (in 0.1 s increments)	
Spot time (Spot welding)	s	0.1 to 5.0 (in 0.1 s increments)	
Pulse frequency	Hz	0.5 to 500	
Pulse width	%	50 (fixed)	
Welding processes	—	DC TIG welding, DC stick welding	
Control method	—	IGBT inverter type	
Crater control	—	Crater ON/OFF	
Arc starting method	—	High-frequency generator	
Cooling method	—	Forced-air cooling	
Shielding gas	—	Ar : 100 %*	
Memory/Replay	—	9 channels	
Dimensions (Width×Depth×Height)	mm	95×420×295 (not including protrusions)	
Weight (without input cable)	kg	9	

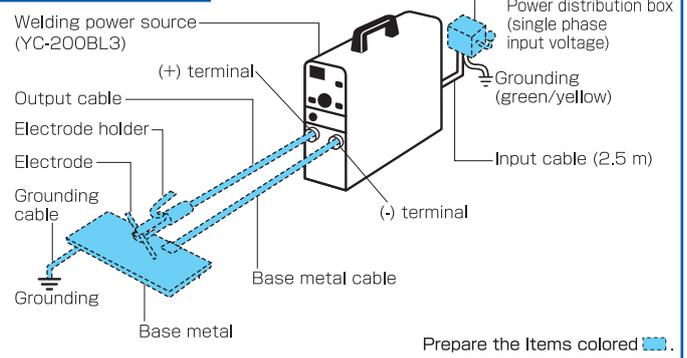
*Use the high-purity welding argon gas ICS 71.060.10 (99.9 % or more in purity).

Connection

TIG welding



DC stick welding



Note: Make sure to perform test welding operation in advance. DC stick welding cannot be performed depending on welding process and electrode type such as low-hydrogen type.

Power device capacity and cable size

Item	Welding PS	YC-200BL3YNA
Input power		Single phase, 200 to 240 V, 50/60 Hz
Capacity	Commercial power source	7.3 to 7.8 kVA
	Engine generator	Three times rated input or more
Input protection (Power distribution box)	Fuse breaker	40 A (Class B fuse)
	Molded case circuit breaker (or leakage breaker)	50 A
Input side cable		8 mm ² or more
Ground cable		The same as input cable or more

*The description is base on indoor wiring regulations JEAC8001-2005.

We provide products that are friendly to the environment.



As an earth-friendly company, Panasonic Welding Systems Co., Ltd. discourages the use of hazardous substances in our products. The products of Panasonic Welding Systems Co., Ltd. comply with the European RoHS directive.

Energy saving function

In TIG welding, energy saving circuit automatically stops the cooling fan in 10 minutes after the torch switch is turned off and cuts down on wasted energy.

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