

Panasonic

More consistent arc start with high reliability

Processes

- DC TIG (GTAW)
- Stick (MMA)

Industrial Applications (DC TIG)

- Aerospace Industry
- Small diameter ,thin wall tubing for example in Bi-cycle industry
- Root (first pass) welds for piping
- Maintenance & Repair Work- Repair of Tools & Dies

Base metals compatible with DC TIG

- Copper Alloys
- Cu-Ni Alloys
- Stainless Steel
- Low carbon alloys
- Low alloy steels

Exclusive features

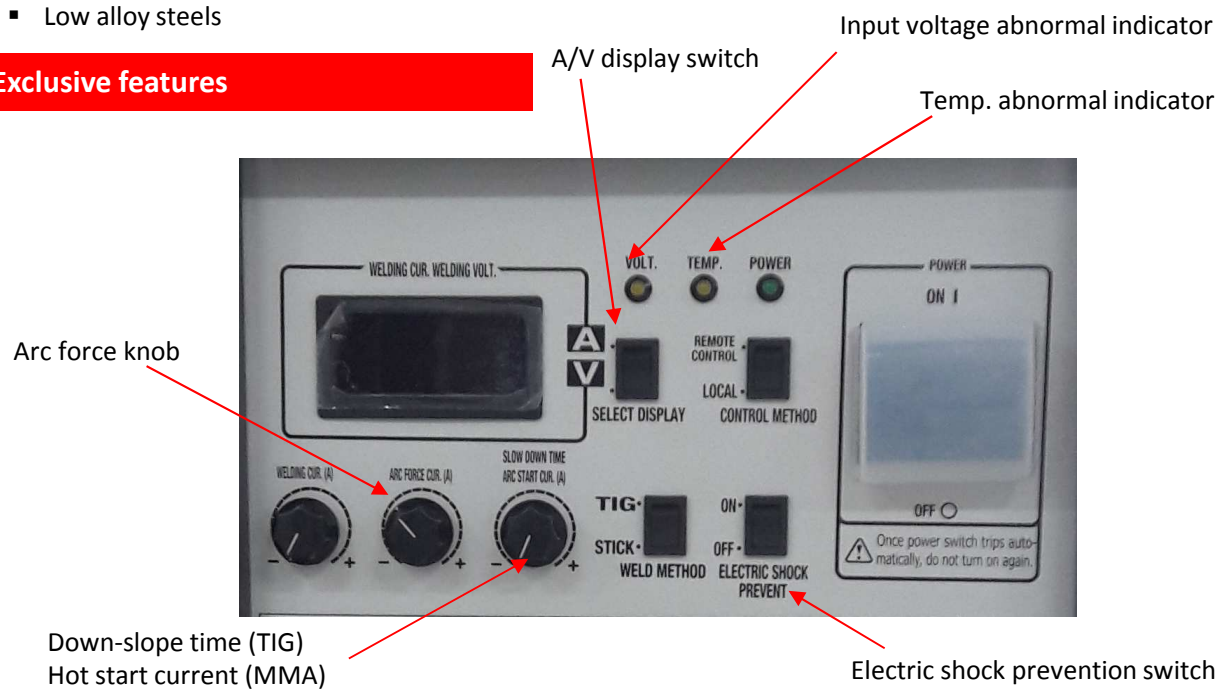
1. Down-slope time (TIG)
2. Hot start current (MMA)

400AT3DJT

IGBT Controlled DC TIG/MMA Welding Power Source



High-frequency (HF) arc start for non-contact arc initiation.



Arc Force (MMA)

This is a feature used in Stick welding. Arc force is a temporary increase of the output current during welding when the arc is too short. This feature supports operators to achieve consistently excellent arc performance resulting faster & better quality production.

Hot start (MMA)

There is a temporary increase of the output current (0.5 seconds approx.) during the start of welding. Hot Start provides excellent arc ignition without the electrode sticking .

Adjustable Current Down-slope time (Crater fill in TIG Welding)

Downslope time adjustable from 0.5 to 2.3 seconds .It supports to fill the crater.

Electric shock prevention switch

This feature is very useful in the wet environment, high altitude, narrow places, welding inside metal containers . When the anti-shock function is used ,the output voltage is about 13V at no-load.

Input voltage abnormal indicator

When the input voltage is abnormal; over-voltage or under-voltage,the light gets on ,and the machine has no output. When one phase is missing ,the voltage abnormal indicator flashes twice in every second.

Temperature abnormal indicator

When there is overload ,the lamp flashes once every one second and the machine has no output.

Technical Specifications

INPUT

Rated Input Voltage	Volts	415+/- 20%
Phase/Freq.	No./Hz	3-Ph/50-60
Max. Input KVA@60% Duty Cycle	KVA/KW	17.60/16.70

OUTPUT

Open-Circuit Voltage	Volts	71
Welding current range	Amps	20-410
Rated welding current	Amps	400
Rated welding voltage	Volts	36(Stick)/26(TIG)
Rated duty cycle	%	60
Gas pre-flow (TIG)	sec	fixed
Gas post-flow (TIG)	sec	fixed

Current Up slope control(TIG)	sec	fixed
Current Down slope control(TIG)	sec	0.5 to 2.3
Adjustable Arc Force Current (MMA)	Amps	0-220
Hot start current (MMA)	Amps	0-150

GENERAL

Conformance to International Standards		IEC 60974-1:2000/GB 15579.1:2004
Power control method		IGBT Inverter
Digital Display		4 Digit, 7 segment LED Display
Ingress Protection	Class	IP23
Insulation	Class	H
Cooling type		Forced Air
Power factor		>0.9
Operating temperature	deg C	-10 TO 50
Dimension(LxBxH)	mm	550x330x600
Net Weight(approx)	Kg	45

Ordering Information

Power Source	YD-400AT3DJT
--------------	--------------

Panasonic

Panasonic Welding Systems India

For more information please write to welding.info@in.panasonic.com

For service related queries ,write to welding.service@in.panasonic.com

Panasonic India Pvt Ltd.

(Division Company :Panasonic Welding Systems India)

Factory & Head Office

Village Bid Dadri ,Tehsil and District : Jhajjar-124103,Haryana,India