

INDUSTRIAL PORTABLE GTAW / SMAW WELDER



Victor 300 Pulse TIG

Arc/Stick/ SMAW/ TIG/ GTAW Welding

TECHNICAL SPECIFICATION

Input Specifications

Input Supply: 330–500VAC, 3Ph, 50/60Hz
Input @ 300A / 32V: 11.8KVA / 15.1HP, 16.5A@415V
Input @ 205A / 28V: 7.5KVA / 9.1HP, 10A@415V
Input @ 190A / 27V : 6.4KVA / 8.2HP, 9A@415V

Mechanical Specifications

Dimensions (LxWxH): 565x270x450mm
(Power source)
Weight: 35kg
Dimensions (LxWxH): 1090X400X1050mm
(Power source + cooling unit + trolley)
Weight: 82.8kg

Functional Specifications

Preflow Gas Time: 0–10secs
Postflow Gas Time: 0–10secs
Upslope Time: 0–10secs
Downslope Time: 0–10secs
Arc Force: 0–100%
Hot Start: 0–100%
Pulse Frequency: 0 to 10Hz
Peak Time: 10–90%

Output Specifications

Output Current Range: 10A to 300A
Duty Cycle @ 50%: 300A / 32V
Duty Cycle @ 100%: 205A / 28V
Open Circuit Voltage (OCV): 75V–95V DC

Protection Features

OT-Over Temperature (when internal temperature more than 70°C).
SP-Phase loss protection (when any phase is not present).
UV/OV-Input supply protection (when supply is <330V or >500VAC).
OC-Over Current (when over current flows through IGBT).

FUNCTIONAL FEATURES

ARC Force for smooth and crisp welds.

Hot Start Helps in rusted and dirty welds.

Preflow/Postflow Gas Ensuring weld quality and complete gas coverage.

Upslope/Downslope for smooth current transitions.

Gas Test for testing Gas flow rate prior to welding.

2T/4T/SPOT trigger setting for welder comfort during long seams.

Separate Initial, Final, Peak, Base Current Parameters setting.

OTHER FEATURES

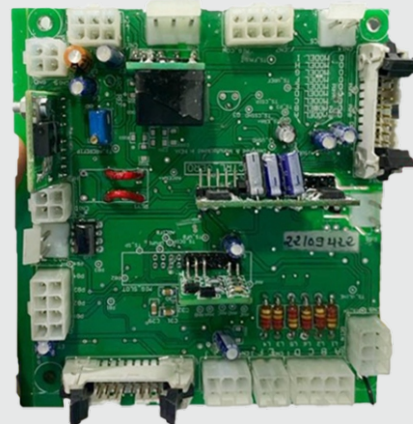
Remote Feature for controlling welding current using a hand held remote or foot pedal.

IP65 Panel parts dust and water protected front panel switches & buttons.

IP21 Rated chassis suitable for outdoor as well as indoor use.

Steel Body for long life and rugged usage.

Terminals Lug type heavy duty rated.



A four step process is followed to make every single PCB used in the machine, moisture and dust proof. This increases the life of PCB and also increases its reliability. It also ensures proper functioning of component in PCB by preventing current bleed.



1. MODE: ARC/ Tig/ P.Tig
2. TIGGER TYPE SELECTOR: 2T/ 4T/ SPOT
3. Multi Function Knob
4. Tig Cycle
5. Gas Test
6. Protection Feature
7. Display
8. Positive Terminal
9. Torch Trigger
10. Gas Outlet
11. Remote
12. Negative Terminal



A) Victor 300 Pulse Tig Power Source

Order Code : APS - V300PTIG



1) Electrode Holder 400A with 3 meter 25sqmm cable

Order Code: AEH400A3M25SQ



2) Earthing Clamp 400A with 3 meter 25sqmm cable

Order Code: AEC400A3M25SQ



3) TIG Welding Torch Gas Cooled 200Amp

Order Code: AGC2004M (4mtr) / AGC2008M (8mtr)

4) TIG Welding Torch Gas Cooled 300Amp

Order Code: AGC3004M (4mtr) / AGC3008M (8mtr)

5) TIG Welding Torch Water/Liquid Cooled 400Amp

Order Code: AWC4004M (4mtr) / AWC4008M (8mtr)



6) Argon Regualtor Single Stage Double guage

Order Code: AREGSSDG-ARG

7) Gas Flow Meter

Order Code: AGASFLOWMTR



8) TIG Torch Cooling unit WC50 - with Cast Iron Pump

Order Code: APS-WC50

9) TIG Torch Cooling unit WC50FS Stainless steel Pump, Inbuilt Flow-switch with indication and Fault output for TIG torch protection

Order Code: APS-WC50FS

AUTHORISED DEALER :