



WE301T

WE402T



WELDING PROCESS



GTAW (TIG)
(HF-start)



GTAW (TIG)
(LIFT-start)



SMAW (MMA/Stick)

MODEL	WE301T	WE402T
Input Supply	415 V ± 10%, 3-ph, 50 / 60 Hz (Standard) 460 V + 5% / - 10%, 3-ph, 50 / 60 Hz (Optional)	
Rated Input Power	12.2 kVA	18 kVA
Idling Input Current	0.2 A (Max.)	
Output OCV (CC)	82 V dc (Max.) *	
Output Current Range (CC)	10 – 300 A	10 – 400 A
MMA Rated Output @ 70% Duty Cycle	300 A / 32 V	400 A / 36 V
TIG Rated Output @ 100% Duty Cycle	300 A / 22 V	400 A / 26 V
Gas Pre Flow Time	0.1 – 3 Sec	
Gas Post Flow Time	5 – 60 Sec	
Current Up Slope Time	0.1 – 15 Sec	
Current Down Slope Time	0.5 – 15 Sec	
Dimensions (W x H x D)	(260 x 500 x 500) mm	
Weight	51.2 kg	

* Reduced Open Circuit Voltage (VRD) available on request

WELDING FEATURES

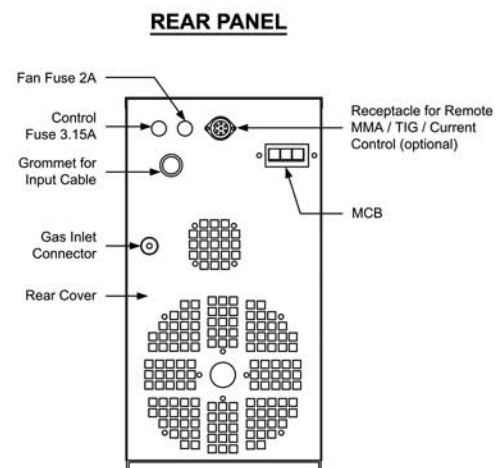
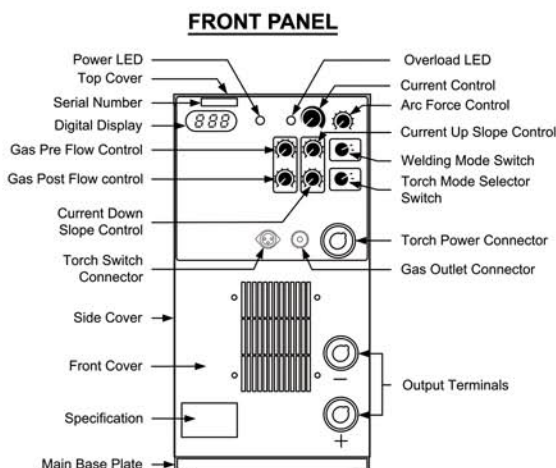
- **Multiple** process options: **HF-start TIG / Lift-start TIG / MMA.**
- 2S / 4S / Fast tack options for torch switch Manual hold / Auto hold / Rapid tacking.
- Gas Pre-flow and Post-flow time selection.
- Current Up-slope & Down-slope time selection.
- Tungsten tip saving feature (Short circuit current limited to 10A).
- HF auto cut-off feature for protection against accidental triggering.
- **Arc-force** control (MMA) for anti-stick of electrodes and dynamic control of low Hydrogen and Cellulose electrodes.
- Built in **hot-start** (MMA) for better arc-striking.

GENERAL FEATURES

- **Inverter** technology.
- **Heavy-duty, Rugged** and **Light-weight.**
- **Welder** friendly controls.
- **Energy efficient & Generator** friendly - Low kVA demand.
- **Maintenance** and Service friendly.
- **Digital display** for **Current.**
- Ideal for **harshest** environment and meets the requirement of quality welding in shipyards, pipelines, constructions, petrochemical plants, offshore works and workshops.

SAFETY FEATURES

- **MCB & Fuses** for fault protection.
- Under voltage, thermal overload & current limit protection.



STANDARD

COMMON

1

Earth Clamp Assembly (3 m)
(MMA / TIG)

MMA

2

Electrode Holder Assembly (3 m)

TIG

3

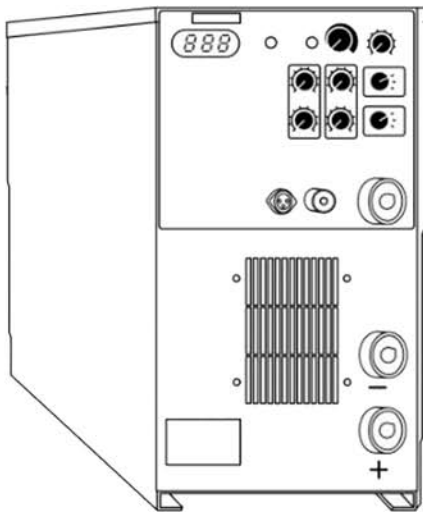
TIG Torch Assembly (25 ft)
(Power & Gas Separate Connection)

4

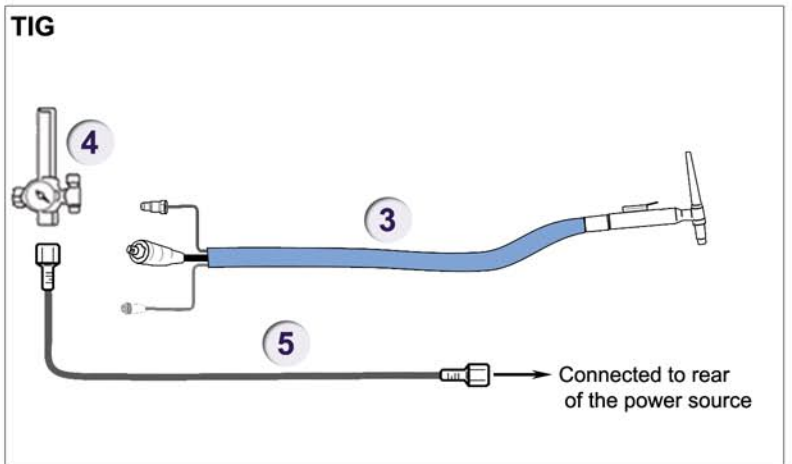
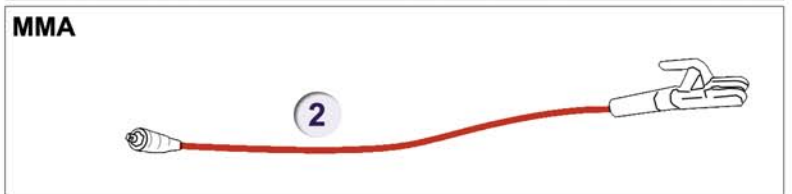
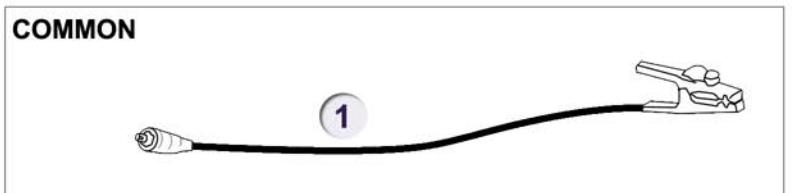
Gas Regulator Argon

5

Gas hose Assembly (3 m)



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OPTIONALS

WER101 Remote Current / Volt Control Unit (with 10 m cable)

WERP100 Remote Pulse TIG unit (with 10 m cable)

TIG Torch Assembly (25 ft)
(Gas & Power Single Connection)



Water Cooled TIG Torch Assembly (25 ft)