

200A



WE282T



WELDING PROCESS



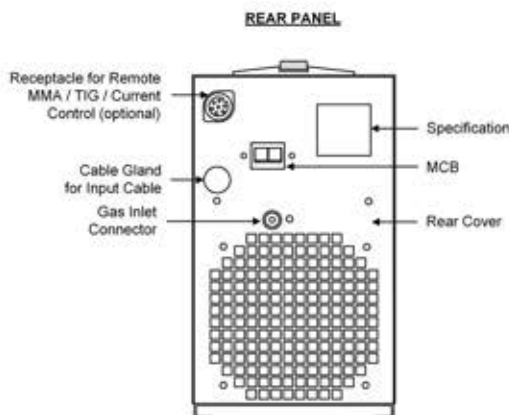
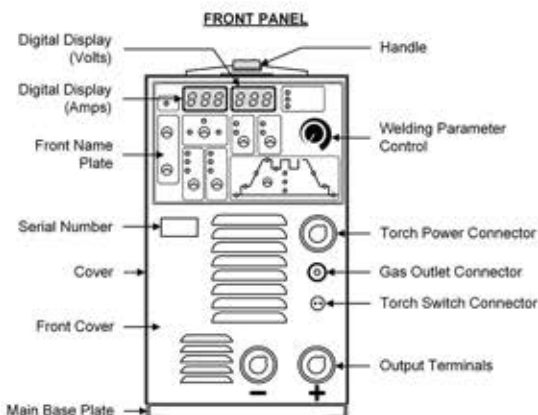
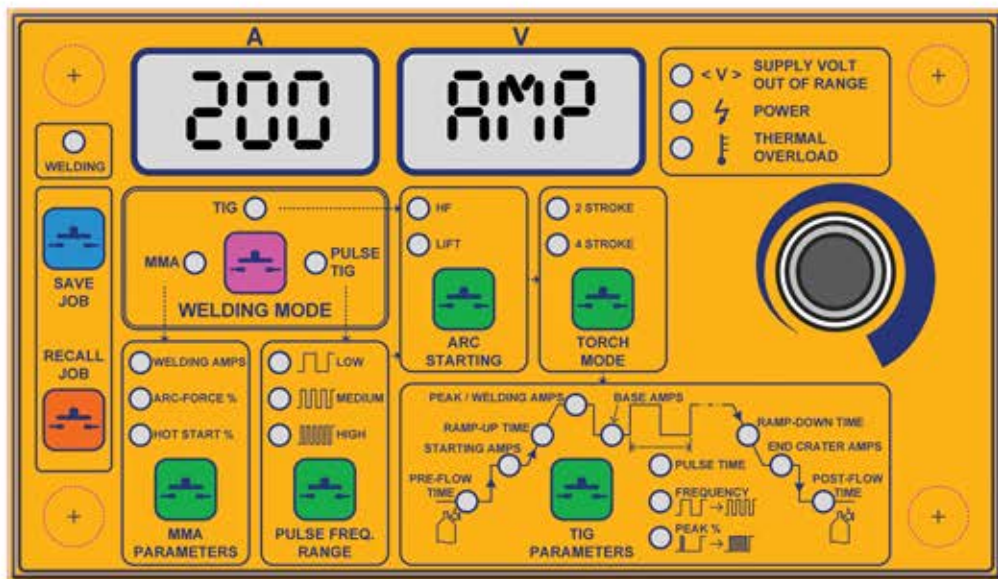
GTAW (TIG)
(HF-start)



GTAW (TIG)
(LIFT-start)



SMAW (MMA/Stick)



WELDING FEATURES

- **20 Job settings** can be saved and re-called.
- **One knob** control for all parameter selection.
- **Easy** to understand and navigate control panel.
- **LEDs** to show sequence of operation **clearly**.
- Process options: **MMA / TIG / Pulse TIG**.
- Arc start options: **Lift / HF**.
- Torch switch options: **2S** (manual hold) / **4S** (auto hold).
- Gas **pre-flow** and **post flow** time selection.
- **Starting** and **End-crater** current selection.
- Current **ramp-up** & **ramp-down** time selection.
- **Pulse** selections: Base current, Frequency / Time and Peak ratio.
- Tungsten **tip saving** feature.
- HF auto **cut-off** protection.
- **Arc-force** control (MMA) for anti-stick of electrodes and dynamic control of low Hydrogen and Cellulose electrodes.
- **Hot-start** control (MMA) for better arc-striking.

GENERAL FEATURES

- **Inverter** technology.
- **Light-weight & Compact** to hand carry and yet **Rugged**.
- **Welder** friendly controls.
- **Energy** efficient & **Generator** friendly - Low kVA demand.
- **Maintenance** & Service friendly.
- **Digital displays** for parameter selection, Current & Voltage.
- 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 / over voltage, thermal overload & current limit protection.

MODEL	WE282T	Resolution
Input Voltage	230 V +/- 10%, 1-PH, 50/60 Hz	
Rated Input Power	6.6 KW for 200A /28V (MMA) 5.3 KW for 165A /26.6V (MMA) 4.4 KW for 200A /18V (TIG)	
Idling Input Current	0.25 A Max.	
Maximum OCV	75 V dc (Max.) *	

MMA Rating

Current Range	5 – 200 A	1 A
Rated Output @ 70% Duty Cycle	200 A / 28 V	
Rated Output @ 100% Duty Cycle	165 A / 26.6 V	
Arc-Force	0 – 100 %	1 %
Hot-Start	0 – 100 %	1 %

TIG Rating

Current Range	5 – 200 A	1 A
Rated output @ 100 % Duty Cycle	200 A / 18 V	
Starting Current	5 A – Peak Current Setting	1 A
End-Crater Current	5 A – Peak Current Setting	1 A
Gas Pre Flow Time	0.1 – 25 Sec	0.1 Sec
Gas Post Flow Time	1 – 60 Sec	1 Sec
Current Ramp Up Time	0.1 – 25 Sec	0.1 Sec
Current Ramp Down Time	0.1 – 25 Sec	0.1 Sec

Pulse TIG

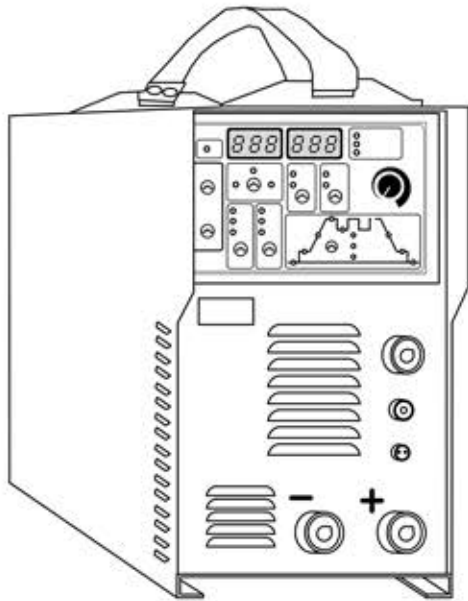
Frequency	Low (Pulse Time): 1 – 20 Sec	0.5 Sec
	Medium: 1 – 100 Hz	1 Hz
	High: 0.1 – 16 kHz	0.1 kHz
Base Current	5 A – Peak Current Setting	1 A
Peak %	0 – 100 %	1 %

Dimension (W x H x D)	(220 x 435 x 460) mm (with handle)	
Weight	17 kg	

* Reduced Open Circuit Voltage (VRD) available on request

STANDARD

COMMON	MMA	TIG		
<p>1</p> <p>Earth Clamp Assembly (3 m) (MMA / TIG)</p>	<p>2</p> <p>Electrode Holder Assembly (3 m)</p>	<p>3</p> <p>TIG Torch Assembly (25 ft) (Power & Gas Separate Connection)</p>	<p>4</p> <p>Gas Regulator Argon</p>	<p>5</p> <p>Gas hose Assembly (3 m)</p>



WE282T

COMMON
<p>1</p>
MMA
<p>2</p>
TIG
<p>4</p> <p>3</p> <p>5</p> <p>Connected to rear of the power source</p>

OPTIONALS

<p>WER101 Remote Current / Volt Control Unit (with 10 m cable)</p>	<p>TIG Torch Assembly (25 ft) (Gas & Power Single Connection)</p>	<p>Water Cooler</p>	<p>Water Cooled TIG Torch Assembly (25 ft)</p>
--	---	---------------------	--