HG200T CE

1 PHASE | SMAW | HF TIG | PULSE | AC DC | 50/60 Hz

Portable AC/DC OUTPUT HG Pulse TIG Welder



PWM technology is applied to change the working frequency to medium frequency easily. And the enhanced IGBT is built to protect the welder with excellent durability. With high-power component IGBT, high welding quality is provided with stable welding performance and reliable arc starting. As a result, excellent welding bead shaping is provided with little spatter and a deep molten pool.

As it is lightweight and compact, the welder can be brought anywhere for on-site welding. With the control panel, both welding current and welding voltage can be checked digitally in real time.

Industries:

Portable | Efficiency | Easy to use | Long Life | Economical | Safe and reliable

Standard Accessories Configuration


4m TIG-17 Torch


Holder cable
3m, 200A, 25SQ

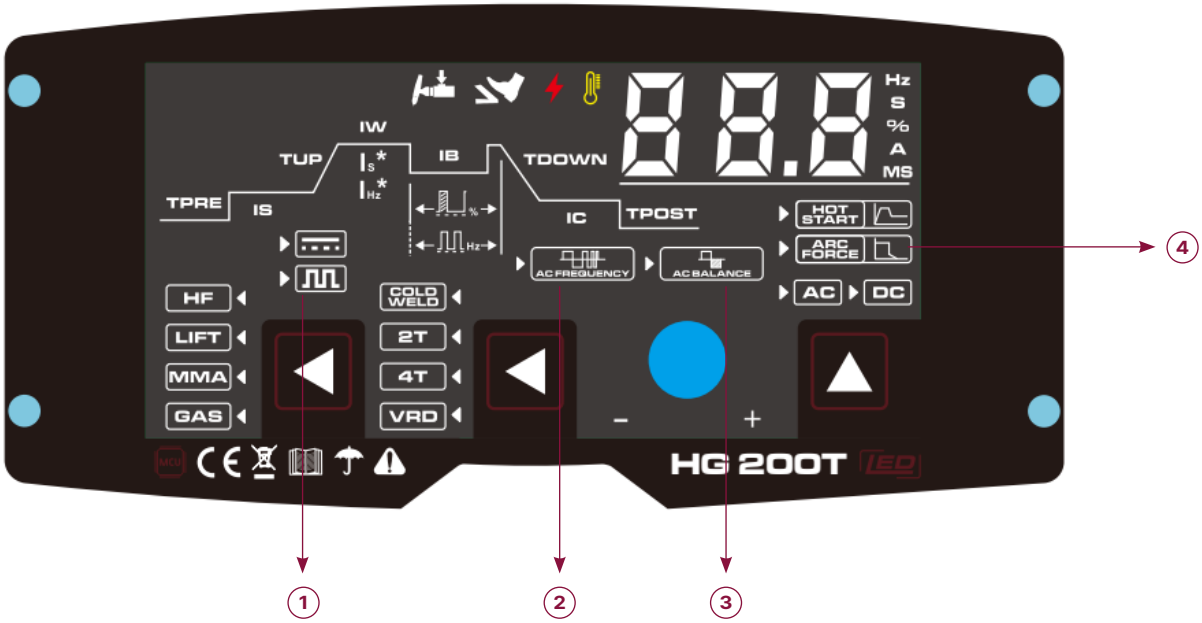

Earth cable
3m, 200A, 25SQ


Foot Pedal

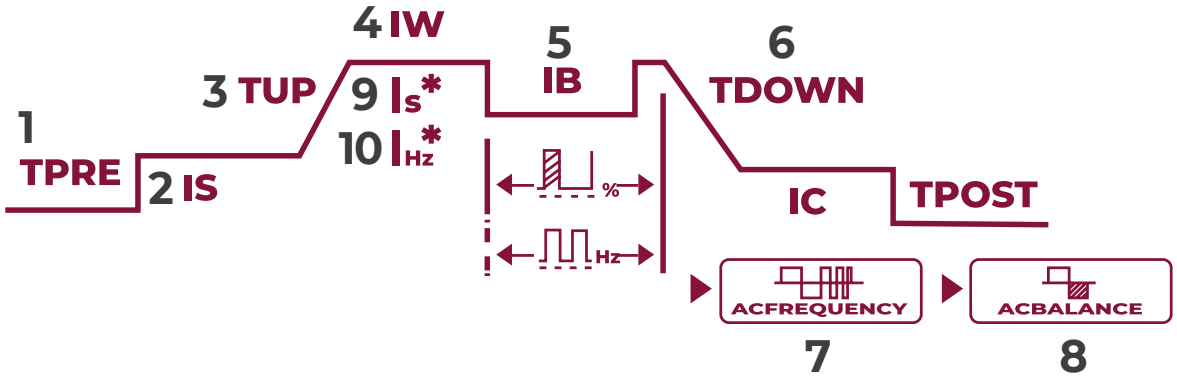

3m Gas hose
+ Quick Connector


Accessories (Ref. page 4)

Introduction

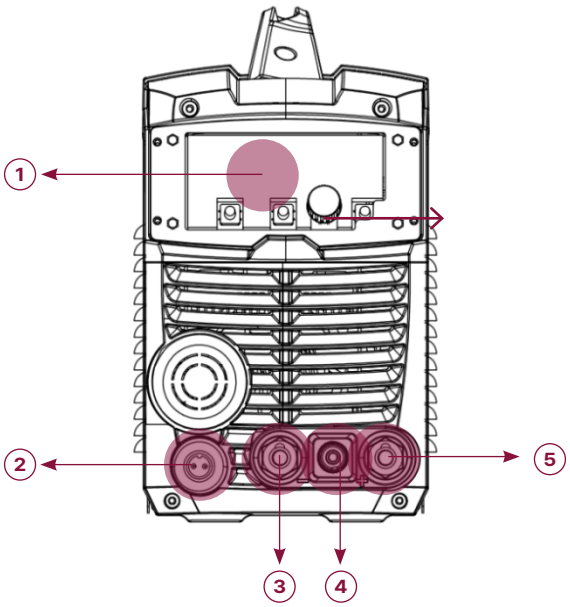


NO.	Item	NO.	Item
1	Select the welding mode (HF / LIFT TIG / MMA / GAS)	3	Adjustment knob
2	Select COLD WELD / 2T / 4T / VRD function	4	Select the HOT START / ARC FORCE / AC / DC function



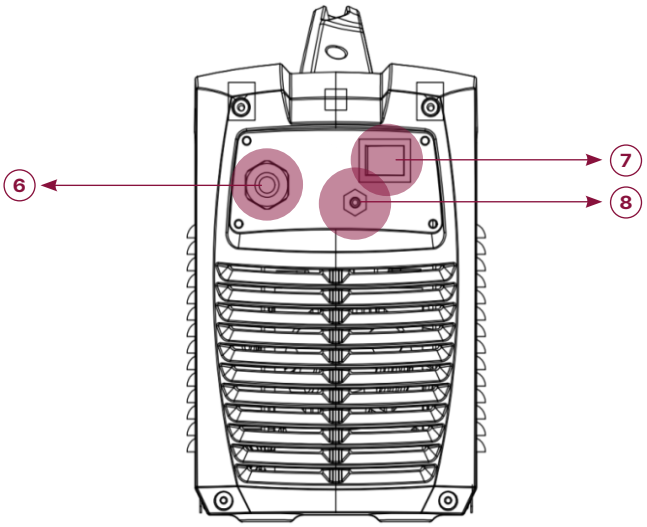
NO.	Display	Explanation	Range
1	TPRE	Pre Flow Gas Time	0~1S
2	IS	Start current	10-200A
3	TUP	Up Slope Time	0~5S
4	IW	Peak Current	10-200A
5	IB	Base Current	10-200A
6	TDOWN	Dow Slope Time	0~5S
7	AC FREQUENCY		40~200Hz
8	AC BALANCE		20~80%
9	IS*	Cold weld time(DC)	1-200MS
10	IHz*	Cold weld parameter(DC)	0-10Hz

Introduction



POWER SOURCE FRONT COVER

1 User Interface Display
2 5pin TIG Torch Trigger Connector
3 Welding Output "-" Terminal
4 Shielding Gas Connector
5 Welding Output "+" Terminal



POWER SOURCE REAR COVER

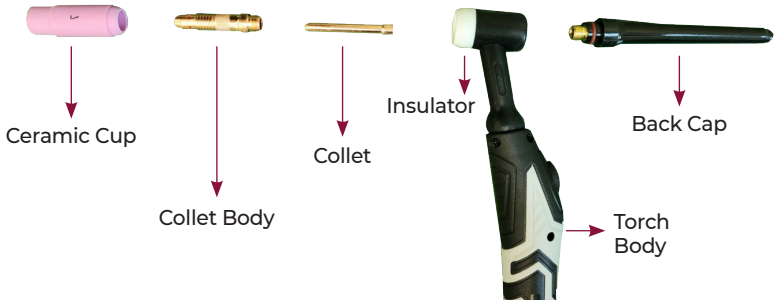
6 Power Cable(Input cable) 2m(Rubber) + E Type Plug
7 Power Switch
8 Shielding Gas Connection Terminal

Specifications

Model	HG200T
Power Supply Voltage / Phase	230V ±10% / 1 Phase
Frequency (Hz)	50 / 60
Output Current Range (A)	DC, AC TIG(10~200), DC MMA(10~180)
Function	AC/DC TIG, MMA
Duty Cycle (40℃ 10min)	20% 200A
	60% 115A
	100% 89A
No Load Voltage (V)	68
IP, Insulating class	IP 21S
Dimension	470 * 175 * 315mm (18.50 * 6.89 * 12.04 in)
Net Weight	11 kg (24.24 lbs)

Torch Information

Our torch outperforms both air-cooled models with advanced cooling, extended durability, and ergonomic design. Whether in high-heat or long-duty applications, it ensures stable performance, reduced downtime, and unmatched user comfort.





5-pin connectors: smarter wiring, greater flexibility, future-ready



High-current performance, rock-solid contact, effortless handling



Quick gas connections: snap on in seconds, seal tightly for total leak prevention



Torch switch control: quick current change at your fingertips

Consumable

* These items are included as part of the standard configuration



Long Back Cap



Ceramic Nozzle



Collet Chuck



Short Back Cap



Collet Body



Tungsten Needle

1.6/2.4/3.2mm Collect Chuck, Body (Each 1pc)
4/5/6/7# Ceramic Nozzle (Each 1pc)
Long Back Cap, Short Back Cap (Each 1pc)
Tungsten Needle Φ1.6, Green (Each 1pc)
Tungsten Needle Φ2.4, Blue (Each 1pc)

TIG Foot Pedal





Free your hands and master your welds with minimum and maximum settings for safe, precise, and consistent control.

Package



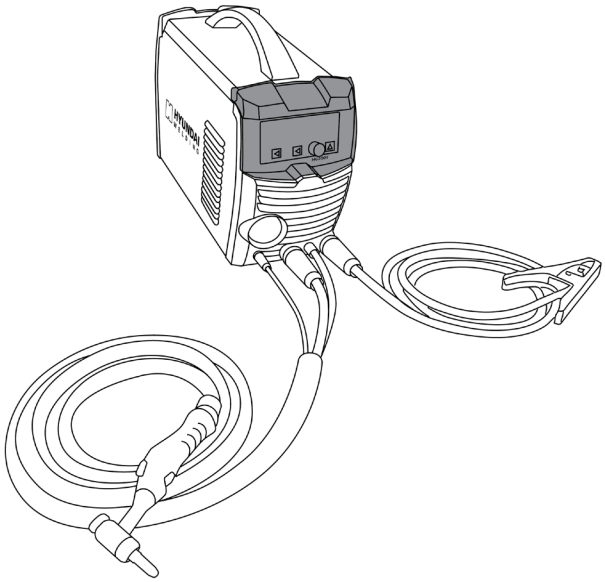
Net Weight	9 kg
Gross Weight	16.8 kg (37.04 lbs)
Dimension	51 * 34 * 35 cm (20.08 * 13.39 * 13.78 in)

Pallet Packing



Loading Capacity	30 pcs
20GP	300 pcs
40GP, HC	600 pcs
Weight	534 kg (1177.89 lbs)
Dimension	110 * 110 * 190 cm (43.31 * 43.31 * 74.80 in)

Installation Guide



Step 1. Power On

Plug the 230V power cord into a suitable wall socket. Switch on the power using the main power switch located at the back of the machine. On the display panel, select your desired welding mode : High Frequency TIG, AC TIG, DC TIG, Lift TIG, MMA (Stick Welding)

Step 2. Connecting the TIG Torch

Connect the torch polarity cable to the '–' (negative) terminal. Attach the torch trigger switch (5pin type) to the 5pin connector, ensuring the pin alignment is correct. Connect the gas hose to the gas connector until you hear a "click" sound. Install the tungsten electrode. Use the collet chuck, collet body, and back cap that match your tungsten size. Secure the tungsten electrode firmly in place. If using a foot pedal, remove the torch's 5-pin trigger connector. Plug in the foot pedal's 5pin connector instead.

Step 3. Connecting the Ground (Earth) Cable

Connect the ground cable to the "+" (positive) terminal. Clamp the other end to the workpiece. Important: If the workpiece surface is rusty, painted, or coated, the ground connection may be unstable. Clean the surface before connecting.

Step 4. Setting Parameters

Set the basic welding current and start welding to check if the current is suitable for your application. Adjust pulse parameters such as Peak and Base for finetuning (refer to the brochure, page 2, for detailed settings). Once settings are complete, you are ready to start welding.