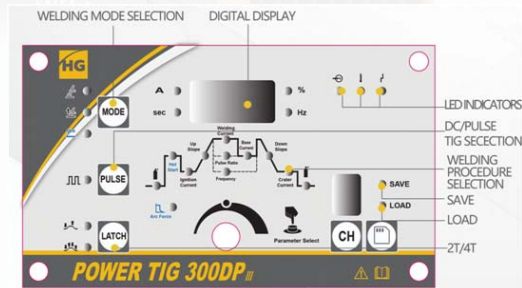


SINCE 1958

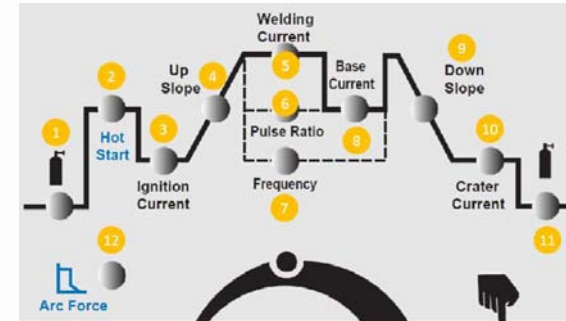


TOTAL WELDING AND CUTTING SOLUTIONS

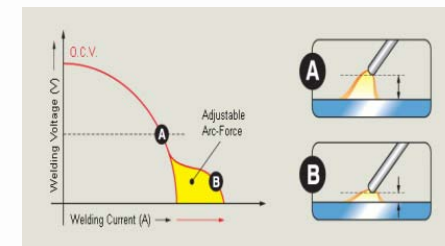
POWER TIG 300DP_{III}



WELDING PROCEDURE PARAMETERS SELECTION AND SETTING



- 1- Pre-Flow ; Shielding gas pre-flow time (sec.); in TIG (GTAW) welding mode; used for providing the shielding gas to the weld zone before the arc striking.
- 2- Hot-Start; In MMA (SMAW) welding mode; used for temporary increase of the output current during the start of weld.
- 3- Ignition Current; In TIG (GTAW) welding mode; used for setting the start current.
- 4- Up-Slope; In TIG (GTAW) welding mode; used for setting the time (sec.) for the ignition current to the welding current.
- 5- Welding Current ; In TIG (GTAW) and MMA (SMAW) welding modes; used for setting the welding current.
Peak Current : In Pulse TIG (GTAW) welding mode; used for setting the peak current.
- 6- Pulse Ratio ; In Pulse TIG (GTAW) welding mode; used for setting the percentage (%) time of the pulse frequency for welding current.
- 7- Frequency; In Pulse TIG (GTAW) welding mode; used for setting the pulse frequency in Hertz(Hz.)
- 8- Base- Current; In Pulse TIG (GTAW) welding mode; used for setting the TIG (GTAW) back-ground current.
- 9- Down-Slope; In TIG (GTAW) welding mode; used for setting the time (in sec.) for the welding current to the crater current.
- 10- Crater Current; In TIG (GTAW) welding mode; used for setting the crater current at the end of down-slope .
- 11- Post-Flow ; Shielding gas post-flow time (sec.); in TIG (GTAW) welding mode; used for providing the shielding gas to the weld zone after arc extinguished.
- 12- Arc – Force; In MMA (SMAW) welding mode; it used for preventing the electrode from sticking during welding. Arc force is a temporary increase of the output current during welding when the arc is too short.



Total Welding and Cutting Solutions

ISO 9001 ISO 14001 OHSAS 18001

SINCE 1958

POWER TIG 300DP_{III}

- Portable Inverter DC HF TIG With Pulse/ MMA Welder
- New Generation IGBT Inverter Technology
- Ideal for welding of carbon steels, low-alloy steels, stainless steels and aluminum & alloys
- Welding Mode (DC HF TIG / LIFT TIG/MMA), TIG / Pulse TIG and 2T/4T selections
- Adjustable; Hot start, Arc Force and built-in Anti-Sticking for MMA welding
- Equipped with voltage protection and thermal protection
- Foot control can be used
- IP21S Protection Class
- Lightweight, Small and Patented Compact Design
- Welding parameters memory and recall



HG HUGONG

SHANGHAI HUGONG ELECTRIC (GROUP) CO., LTD.

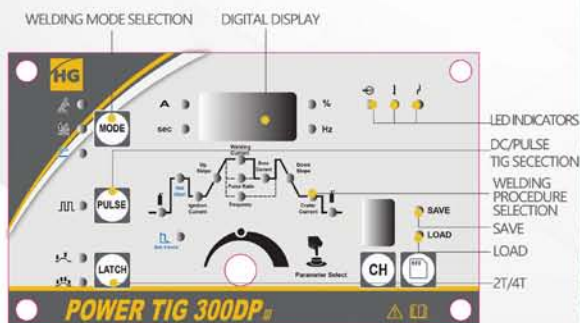
TIG[GTAW]

POWER TIG 300DP_{III}

FEATURES AND ADVANTAGES

- Portable Inverter DC HF TIG / MMA Welder With Pulse
- New Generation IGBT Inverter Technology
- Pulse TIG; provides minimized heat input and faster freezes weld puddle that gives perfect welding solutions even on thin materials with perfect bead appearance
- Ideal for welding of carbon steels, low-alloy steels, stainless steels and aluminum & alloys
- Able to save and re-load the saved welding parameters
- Water cooling system can be used.
- Built-in Anti-Sticking
- Hot start, Arc Force for MMA welding.
- Equipped with voltage protection and thermal protection
- Easy-to-use and user-friendly control panel
- Digital Display
- Welding Mode (DC HF TIG / LIFT TIG/MMA), Pulse TIG and 2T/4T selections
- Adjustable & displayable gas pre-flow/post flow, ignition/ base/peak current; frequency; simply welding procedure parameters.
- Steeples Welding Current/Setting Knob
- Power, Overload and Under/Over-Voltage LED indicators
- Easy welding cable connections with European type quick connectors
- Foot control can be used
- Fan cooling system
- IP21S Protection Class
- Lightweight, Small and Compact Design
- Weight is only 18 Kg.
- Dimensions (cm.) (L×W×H) 50.8× 24.1× 40.8

CE RoHS



Model	Input Power (V)	Rated Input Current (A)	Rated Input Capacity (kVA)	Rated Open Circuit Voltage(V)	Welding Current Adjustment Range(A)	Rated Output(A) (20°C) / (40°C)	Weight (kg)	LxWxH (mm)
POWER TIG 300DP _{III}	400	17.4	12.1	68	10-300	60%35%@300	18	508x241x408