

The TIG AC/DC 301 Pulse is a powerful and intelligent welding machine designed for professional performance. This unit is capable of both AC and DC TIG welding—ideal for stainless steel, mild steel, and aluminum—as well as Stick welding.

Equipped with advanced TIG pulse parameters, it allows precise control and fine-tuning for a wide range of applications. Combining a high duty cycle with an intuitive, easy-to-use interface, the TIG AC/DC 301 Pulse is the perfect choice for production welders who demand consistent, top-quality results every day.

FEATURES

- Compact and innovative design.
- Shock-proof fiber compound front panel.
- Control panel protection against accidental impact.
- Robust handle integrated into the chassis.
- Reduced weight and size, easy to carry.
- Digital control of all the welding parameters.
- Equipped with pulse mode integrated into the control panel with available “Easy Pulse” function.
- Excellent TIG welding characteristics.
- High frequency arc striking when using extra-long leads.
- Automatic compensation for main power fluctuations within $\pm 20\%$.
- Very good MMA welding characteristics with any type of rods.
- Low energy consumption.
- Use of special TIG torches will enable the remote control of the welding parameters directly from the torch.
- Optional software customization as an extra feature.
- Comprehensive 4 Year Warranty



PROCESSES



GTAW (AC/DC) - HIGH FREQUENCY START

SMAW

PULSED

TIG AC/DC 301 PULSE Technical Specification

Three phase input 50/60 Hz (V)	(575V) $\pm 10\%$ (460-480V as option)
Input power 50/60 Hz (KVA)	9.6 KVA
Power factor / cos	0.95 / 0.99
Efficiency Degree	0.76
Current range	5 - 300 A
Welding Current @ 100% Duty Cycle in 104° F (40° C)	210 A
Welding Current @ 60% Duty Cycle in 104° F (40° C)	250 A
Welding Current @ 35% Duty Cycle in 104° F (40° C)	300 A
Facility of software customization	Yes
Power Source Weight: lb. (Kg)	41.9 lb. (19 kg)
Power Source Dimensions Including Handle (D,W,H) : inch (mm)	19.49 x 7.4 x 15.4 inch (495 x 190 x 390 mm)

CANAWELD RESERVES THE RIGHTS OF CHANGING THE SPECIFICATION WITHOUT NOTICE

Available Model :

TIG AC/DC 301 Pulse, 575V, Water Cooled (CWP004537W-575V)














What Is Included

TIG AC/DC 301 PULSE

ITEM	PART NO.	
TIGAC/DC 301 PULSE	CW004537-A	
Ground Clamp Set (320A- 10 ft.),AWG 1	ALP1980462	
Electrode Holder Set (320A- 10 ft.),AWG 1	ALP1980463	
TIG Torch Water Cooled (18 SERIES)	CWSG18SC-S1-12-4M	
Regulator	CWFM-250-60CF-AR	
Gas Welding Hose	TLJ1080191	
TIG Consumable Kit	ALPTORCHCON18	
Cooling Unit	CW032061A	
Welder Cart VT 100	CW234925	
Foot Peda	TGJ2580474	

OPTIONAL ACCESSORIES

PRODUCT	PART NO.		PRODUCT	PART NO.	
Ground Clamp Set (320A- 20 ft.),AWG 1	ALP980459		TIG Torch Water Cooled (18 SERIES)	CWSG18SC-S1-25-8M	
Ground Clamp Set (320A- 30 ft.),AWG 1	ALP980471		TIG Consumable Ki	ALPTORCHCON26	
Ground Clamp Set (320A- 50 ft.),AWG 1	ALP980472		C9 Black (Series Helmets)	CWPOWER-990T-BLK	
Electrode Holder Set (320A- 20 ft.),AWG 1	ALP1980468		C5 Black (Series Helmets)	CWELITE-550S-BLK	
Electrode Holder Set (320A- 30 ft.),AWG 1	ALP1980469		C8 Black (Series Helmets)	CWPOWER-980S-BLK	
Electrode Holder Set (320A- 50 ft.),AWG 1	ALP1980470		C8 Coal Fire (Series Helmets)	CWPOWER-980S-CO	