

- ✓ AC / DC
- ✓ Pulse function
- ✓ Including water cooling
- ✓ Equipped with database
- ✓ 5 years warranty



**SOLDERTECH** powered by **HG**

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## TIG welding machine AC DC 315A

product code: TL315ACHG

This SolderTech powered by HG TIG welding machine is standard equipped with a solid trolley that easily carries a 50L gas bottle and processes a huge range of materials with different welding processes including AC/DC Pulse, TIG and MMA welding. With the setting and selection buttons, all parameters of the TL315ACHG can easily be set in the correct way, so that every welding job is completed with high quality results. The modern IGBT inverter technology ensures that the TL315ACHG delivers sustainable performance with more power and a high duty cycle. In addition, the TL315ACHG is equipped as standard with a powerful water cooler which prevents overheating in combination with a built-in fan and ensures that high-quality welding performance is guaranteed over a long period of time. The digital continuously adjustable display shows very clearly the welding processes and possibilities. Thanks to the HF ignition, the device starts up smoothly at all times. The supplied TLT18M4 torch is equipped with water cooling for a long service life when welding with high amperage. Due to the hot-start / anti-stick function, the welding current is quickly increased, so that the electrode does not stick to the workpiece during ARC welding.

Ideal for welding aluminum, stainless steel, carbon steel, low alloy steel, copper and special aluminum alloys.

### Every TL315ACHG comes standard including:

- Water-cooled SolderTech TLT18M4 TIG torch with 4m cable
- Work clamp with 3m 25mm<sup>2</sup> cable
- Standard 13mm Dinse cable coupling
- Gas pipe of 4m including hose clamp and quick coupling (8mm inner diameter)
- Heat resistant cover
- 5-pin 32A plug with 2m 4x2.5mm<sup>2</sup> cable
- Wear parts = 3x collet (1.6 / 2.0 / 2.4mm), 1x collet chuck 3.2mm, 3x gas nozzle (6, 7, 8mm), 1x insulation ring, 1x sealing cap short and 1 sealing cap long

### Specifications

voltage	400 V
frequency	50/60 Hz
fuse protection	3x16 A
input power	13.8 kVA
start-up voltage	70 V
duty cycle	35% - 315A / 60% - 241A / 100% - 186A (at 40 degrees ambient temperature)
welding current range	DC TIG 10A - 315A / AC TIG 20A - 315A / MMA 20A - 250A
cooling unit content	6L
protection class	IP21S
dimensions	1110mm x 520mm x 1265mm
weight	94 kg

## Legend TL315ACHG



### IGBT

The latest IGBT inverter technology guarantees the best welding performance.



### DC

Constant DC power output.



### Thermal protection

Prevents overheating of the welding machine.



### Anti-stick

The anti-stick function ensures that electrodes do not stick and weld easily.



### Hot start

The hot start ensures a high start-up voltage so that all types of welding electrodes ignite easily.



### A stepless

Infinitely adjustable Ampere to an accuracy of 1 ampere.



### V stepless

Infinitely adjustable voltage.



### 1Phase

1 phase 230V input.



### ARC FORCE

With the ARC FORCE, welding depths can be easily set during electrode welding.



### Arc Welding

Welding machine can also ARC weld (electrode welding).



### LIFT TIG

TIG ignition as soon as the torch is lifted from the material.



### Pulse

Pulse welding possible.



### Post Gas

Adjustable gas flow time.



### HF Ignition

High frequency ignition; ignition without touching the material.



### Digital

Digital display.



### AC/DC

AC/DC welding may be ideal for aluminum alloys.



### 2T/4T

2T: Press 1x for on. Release for off.  
4T: Press and release 1x for on. Press again and release for off.



### Water Cooler

Equipped with a water cooler.



### Database

The device is equipped with a database and can store programs.