TIG AC/DC - HF
SINGLE PHASE
FLEXIBLE VOLTAGE

TITANIUM 230 AC/DC FV

Ref. 075924 (with accessories)
Ref. 061996 (without accessories)

INVEST IN THE FUTURE

The TITANIUM 230 AC/DC FV is a single-phase AC/DC TIG welding Power Source. Intelligent and connected, it offers extremely precise arc control and industrial welding performance up to 230 A (16 A fuse) thanks to integrated power factor correction. It combines excellent ergonomic design and user experience, with advanced welding functionality.

6 TIG WELDING MODES

DC	**DC Standard:** smooth welding on the majority of ferrous materials.
	DC Pulse: allows welding while minimizing heat input (up to 2.5 kHz).
	FastPulse: pulses up to 20 kHz for specialised steel applications
AC	**AC Standard:** welding of aluminum and its alloys (Al, AlSi, AlMg, AlMn, etc).
	AC Pulse: precise penetration regulation, controllable by adjusting the AC pulse frequency (up to 500 Hz).
	AC Mix: alternates between AC and DC currents to increase welding speed.



TIG WIZARD SOLUTION

- **Patented synergic mode** for maximum productivity with welding and tacking of Aluminum, Steel, Stainless Steel and Copper parts, with or without the need for filler material.
- **5 types of assembly:** End to end (BW), Lap (FW), Interior angle (BP), Exterior angle and wire fusion.
- **Wizard Lab for the creation of bespoke welding cycles.**

Delivered with	 TIG PRO 26 - 8 m	 4 m - 25 mm²
075924	√	√
061996	Without Accessories	

OPTIMIZED SETTINGS

- **4 spot modes:**
  - Spot / Multi Spot: traditional spotting before welding thin sheets.
  - Tack / Multi Tack: ultra-precise pointing without oxidation, reducing the risk of workpiece deformation.
- **3 types of arc ignition:** Standard Lift, High-Frequency (HF) and Touch.HF (timed high-frequency ignition).
- **3 triggering options:** 2T, 4T and 4T LOG
- **Configuration of AC waveforms enabling closer arc control and penetration.**
- **E-TIG mode guarantees** the machine to respect the selected welding parameters, regardless of the position of the torch in relation to the workpiece (welding energy control).



- 5-inch color interface; intuitive, multi-lingual and customizable.
- 3 user interface options: Easy, Expert and Advanced

MAXIMUM CONNECTIVITY

- Accurately measures energy usage.
- Traceability of all welding seams, conforming to EN 3834 standard.
- Welding accessory calibration mode (improves the calculation of energy usage).
- Connectable for use with Robots via an optional kit (037960).
- User mode allows the option to share the product with several different operators.
- Free tool for interface customization is available online.
- Backup of user Jobs via USB key (500 max.) as well as machine configuration.
- Compatible with latch, double button, potentiometer and push-pull torches.
- New and revised welding synergies and software updates available by USB key.
- Remote control (pedal or remote option) connectable without tools.
- Liquid cooling unit optional (070820).
- MMA, MMA AC and Pulsed MMA modes (electrodes up to Ø 8 mm).
- VRD (Voltage Reduction Device) can be activated to lower the no-load output voltage to under 35 V.
- «FV» technology guarantees a welding arc that is always stable, even in the event of mains voltage variations (85 to 265 V). It also means that the machine is suitable for use on a generator, or with a very long power cable.

ACCESSORIES (OPTIONAL)


TIG 26 consumables box
044678

Cooling Unit
1000 W
3 L - 14 kg

KOOLWELD 1
070820


Diable 10m³
076341

Analog remote control:

RC-HA1 - 10 m
045675


RC-FA1 - 4 m
045682

Digital remote control:

RC-HD2
062122

+

Kit NUM-1
063938

50/60 Hz	A	I2 TIG DC A	I2 TIG AC A	I2 MMA A	INTEGRATED TECHNOLOGY TIG DC PULSE	TIG AC PULSE	MMA PULSE	TIG AC/DC EN 60974-1 (40°C) IA (60%)	X% (I2 max)	100%	MMA EN 60974-1 (40°C) IA (60%)	X% (I2 max)	100%	U0 V	UR V	mm²	cm	kg	IP	Protected & compatible power generator (+/-15%)
110 V - 1~	32	5 → 140	3 → 140	5 → 140	0.1 → 2.5 kHz	0.1 → 500 Hz	0.4 → 20 Hz	140 A	100 %	140 A	130 A	50 %	105 A	55	26.5 (VRD)	35/50	49 x 26 x 44 cm	22.4	IP 23	8.5 kW
230 V - 1~	16	5 → 230	3 → 230	5 → 230				190 A	35 %	160 A	160 A	35 %	130 A							

CE - EN 60974-1

Made in France
www.gys.fr