

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



## 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).

## 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.



Delivered with	 SR26DB - 8 m	 4 m - 25 mm <sup>2</sup>
075924	✓	✓
061996	Without Accessories	



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

## ACCESSORIES (OPTIONAL)

 SR26L - 8 m 046184	 SR26DB - 8 m 046177	 Cooling Unit 1000 W 3 L - 14 kg KOOLWELD 1 070820	 Diabie 10m <sup>3</sup> 076341	 Analog remote control: RC-HA1 - 10 m 045675	 RC-FA1 - 4 m 045682	 Digital remote control: RC-HD2 062122	 Kit NUM-1 063938
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50/60 Hz	A	I <sub>2</sub> TIG DC	I <sub>2</sub> TIG AC	I <sub>2</sub> MMA	INTEGRATED TECHNOLOGY			TIG AC/DC			MMA			U <sub>0</sub>	U <sub>R</sub>	mm <sup>2</sup>	cm	kg	IP	Protected & compatible power generator (+/-15%)
					TIG DC PULSE	TIG AC PULSE	MMA PULSE	EN 60974-1 (40°C)			EN 60974-1 (40°C)									
110 V - 1~	32	5 → 140	3 → 140	5 → 140	0.1 → 2.5	0.1 → 500	0.4 → 20	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	kHz	Hz	Hz	190 A	35 %	160 A	160 A	35 %	130 A							