

IMS TITANIUM 230 AC/DC FV

TIG AC/DC - HF SINGLE PHASE FLEXIBLE VOLTAGE - 5 → 230 A

Ref. 073098 (without accessories)



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 PulseE : 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 PulseE : 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.



without accessories

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).



- 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)

<p>SR26L - 8 m 046184</p> <p>SR26DB - 8 m 046177</p>		<p>Cooling Unit 1000 W 3 L - 14 kg</p> <p>KOOLWELD 1 070820</p>	<p>Diabie 10m³ 076341</p>	<p>Analog remote control:</p> <p>RC-HA2 - 10 m 047679</p> <p>RC-FA1 - 4 m 045682</p>	<p>Digital remote control:</p> <p>RC-HD2 062122</p> <p>Kit NUM-1 063938</p>
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50/60 Hz	A	I ₂ TIG DC	I ₂ TIG AC	I ₂ MMA	INTEGRATED TECHNOLOGY			TIG AC/DC			MMA			U ₀	U _R	mm ²	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	IA (60%)	X% (I ₂ max)	100%	IA (60%)	X% (I ₂ max)	100%	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	140 A	100 %	140 A	130 A	50 %	105 A							
								190 A	35 %	160 A	160 A	35 %	130 A							