

The KRYPTON 321 DC TRI is a professional 320 A three-phase TIG power source with an IP23 protection rating, to withstand the most demanding operating conditions. Using cutting-edge technology, it delivers a perfectly stable arc and impeccable welding quality. It offers a very high duty cycle, making it ideal for use in engineering, piping and robotic applications.

2 WELDING PROCESSES

- | | |
|--------|--|
| TIG DC | DC Standard: smooth current welding on most ferrous materials. |
| | DC Pulse up to 2 kHz: controls the temperature of the weld pool, reduces deformation of the workpiece and enables the assembly of thin sheets, as thin as 0.3 mm. |
| | Standard MMA: coated, rutile, basic, and cellulosic electrodes (up to Ø 5 mm). |
| | MMA Pulse up to 500 Hz: facilitates welding in a vertical position (pipe/pipeline...). |

OPTIMISED TIG SETTINGS

- **100% TIG duty cycle: 260 A**
- **4 spot modes :**
 - Spot / Multi Spot : traditional tacking before welding thin workpieces.
 - Tack / Multi Tack : ultra-precise, oxidation-free tacking to reduce the risk of deformation.
- **3 types of ignition:** Lift, HF and Touch.HF (timed high-frequency ignition).
- **3 trigger controls:** 2T, 4T and 4T LOG.
- **Pulse TIG waveform settings** for greater arc control and improved penetration.
- **E-Weld mode** ensures that the welding power is constant, regardless of the position of the torch in relation to the workpiece (control of welding energy)

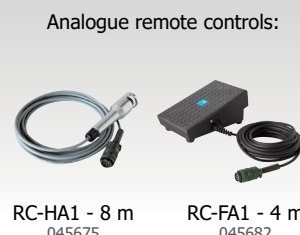
MAXIMUM CONNECTIVITY

- Accurately measured power input.
- Calibration mode for welding accessories (refines energy calculation).
- Can be connected to a robot via an optional kit (037960).
- Stores up to 50 programs per process for recurring applications.
- Compatible with lamella, double button, potentiometer, and Up & Down torches.
- Full machine software updates available via USB stick.
- Remote controls options (foot pedal or hand held) can be connected without any tools.
- Optional cooling unit (070820) can be connected quickly and without tools.
- VRD can be activated to reduce output open circuit voltage to < 35 V.

IDEAL FOR WORKSITES

- Reinforced casing and shock-proof feet.
- IP23 rating.
- 2 steel handles for easy transport and lifting.
- Optional filter (063143) for dusty working environments.

ACCESSORIES (optional)



Supplied without accessories



Dual-display user interface with rotary knob and push-button for quick parameter adjustment

Main menu	Advanced menu
- pre-gas / post-gas - current upslope - welding current - downslope time - hot current - pulse frequency - cold current balance time	- I start / t start - I stop / t stop - pulse waveforms - spot time (0>60 sec) - time between two spots (0.1>25 sec)

				I ₂ TIG	I ₂ MMA	INTEGRATED TECHNOLOGY		TIG			MMA			U ₀	U _R				IP	
	50/60 Hz	A		A	A	TIG DC PULSE	MMA PULSE	EN 60974-1 (40°C)			EN 60974-1 (40°C)			V	V	mm ²	cm	kg		Protected & compatible power generator (+/-15 %)
								IA (60%)	X% (I2 max)	100%	IA (60%)	X% (I2 max)	100%							
	400 V - 3~	16	5 m	3 → 320	5 → 320	0.1 → 2 kHz	0.4 → 500 Hz	300 A	45 %	260 A	280 A	40 %	220 A	83	26.5 (VRD)	35/50	64 x 26 x 46 cm	23.7	IP23	17.6 kVA