

The KRYPTON 401 DC is a next-generation TIG DC power source offering superior welding quality and advanced features to maximise productivity in the workplace. Engineered using the latest digital technologies, its pulse mode gives welders better control of the weld pool, and minimises deformation on thin workpieces. Its easy-to-use interface simplifies control of welding parameters, even for inexperienced TIG welders. The robust metal structure is easy to transport, and is ideally suited to the needs of the most demanding pipe, tube, or stainless steel welding applications.

## 2 WELDING PROCESSES

- |        |  |
|--------|--|
| TIG DC | <b>DC Standard:</b> smooth current welding on most ferrous materials.  |
|        | <b>DC Pulse up to 10 kHz:</b> regulates the temperature of the weld pool, reduces deformation, and can be used on thin sheets as fine as 0.3 mm. |
| MMA    | <b>Standard MMA:</b> coated, rutile, basic and cellulosic electrodes (up to Ø 6 mm).   |
|        | <b>Pulse MMA up to 800 Hz:</b> facilitates welding in a vertical rising position (pipes/pipelines, etc.).  |



Supplied without accessories

## OPTIMISED TIG SETTINGS

- **Duty cycle at 100% TIG: 320 A**
- **4 tacking modes:**
  - **Spot / Multi Spot** : traditional spot welding before working on thin material.
  - **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 improved arc penetration and acoustics.
- **E-Weld mode** ensures that the welder maintains welding power regardless of the position of the torch in relation to the workpiece (control of welding energy).

## MAXIMUM CONNECTIVITY

- Accurately measured energy input.
- Calibration mode for welding accessories (for more accurate energy calculation).
- Connectable to robot via optional kit (037960).
- Stores up to 50 programs per process for recurring applications.
- Compatible with lamella, double button, potentiometer and Up & Down torches.
- Complete machine updates via USB stick.
- Remote controls connectable without needing any tools (foot pedal and remote HMI).
- Optional cooling unit with quick, tool-free connection.
- VRD can be activated to reduce no-load output voltage to < 35 V.



Highly intuitive user interface for quick parameter adjustment

### Main menu

- pre-gas / post-gas
- upslope current
- welding current
- downslope duration
- hot current
- pulse frequency
- cold balance

### Advanced menu

- I start / t start
- I stop / t stop
- pulse waveforms
- spot time (0>60 sec)
- time between two spots (0.1>25 sec)

## IDEAL ON SITE

- Reinforced chassis and anti-shock feet.
- IP23S rating for use in demanding conditions.
- 2 steel handles for easy transport and suspension.

## ACCESSORIES (optional)



50/60 Hz	A	5 m	I <sub>2</sub> TIG A	I <sub>2</sub> MMA A	INTEGRATED TECHNOLOGY		TIG			MMA			U <sub>0</sub> V	U <sub>R</sub> V	mm <sup>2</sup>	cm	kg	IP	Protected & compatible power generator (+/-15%)
					TIG DC PULSE	MMA PULSE	IA (60%)	X% (I2 max)	100%	IA (60%)	X% (I2 max)	100%							
400 V - 3~	32	5 m	3 → 400	5 → 400	0.1 → 10 kHz	0.4 → 800 Hz	360 A	45 %	320 A	300 A	35 %	280 A	66	31 (VRD)	70/95	74 x 30 x 53	36	IP23S	30 kW