

TIG TITAN 400 DC HF

TIG DC - HF THREE PHASE (3 ▷ 400A)

Ref. 013810



The perfect solution for accurate welding of high alloy metals, the TITAN 400 power source with its high duty cycle (400 A @ 60 %) is designed for the most demanding TIG and MMA welding applications. Its User friendly interface enables easy setup with large and simple controls. Equipped with TACK mode and spot function, the TITAN 400 is the preferred tool of the professional welder on pipework, tubular construction and stainless steel plate fabrications.

OPTIMISED DC WELDING

- **TIG DC** : welding in continuous current.
- **TIG DC Pulse** : reduces heat distortion of the workpiece.
- **3 special welding processes**:
 - **SPOT mode**: traditional spot welding before welding thin sheet metals.
 - **TACK mode**: very precise spot welding function free of oxidation reducing the risk of heat input causing deformation. The welding spots in TACK mode are invisible in the weld bead.
 - **E-TIG mode**: ensures a unified weld bead width and constant penetration regardless the position of the torch in relation to the work piece (control of the welding energy).
- **2 types of Arc start-up**: HF (without contact) or LIFT (with contact) for electro-sensitive environments.
- **3 trigger modes**: 2T, 4T and 4T LOG.
- **Automatic detection of the torch**: compatible with trigger, double button and potentiometer torches.



Supplied without accessories

MMA WELDING

- **MMA**: coated, rutile, basics and cellulosic electrodes (up to Ø 6 mm).
- **MMA Pulse**: Developed for vertical welding to reduce «sagging» and optimise penetration

INTUITIVE

- **Displays current/voltage** during and after welding (WPS/PQR).
- **JOB Save 50 programs** for each process, for a perfect reproducibility of your welds.
- **Remote control** (optional pedal or manual).
- **Lockable keyboard** to protect against misuse.
- **Intelligent cooling fan** management system to minimise the power consumption (stationary, off arc = 35 W), reduce dust absorption and noise.
- **«Connect 5» mode** to trigger the machine from a automated controller or interface (5 pre-saved program).



All the TIG welding settings are directly accessible with one knob for simple operation. Large central control knob to allow for «gloved» use.

MAIN MENU

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

ADVANCED MENU

- I start / t start
- I stop / t stop
- Shape of the pulse wave
- Spot welding duration in pulse current or in continuous current.

ACCURATE

- **Calibration mode** allows for the adjustment of the voltage and improves the calculation of the energy.
- **ENERGY mode**, display and calculation of energy after welding according to the standards EN1011-1, ISO/TR 18491 and QW-409.

STURDY

- IP 23 classification for outdoor use.
- Reinforced chassis & non-slip rubber pads.
- 2 steel handles for easy lifting or handling.
- 4 corner rings suitable for slinging the equipment.

ACCESSORIES

Cooling unit:



WCU 1kW C
013537

Torch ABITIG liquid - 450 W - 8 m:



Trigger
037359

Double button
037366

Remote control:



Foot pedal RC-FA1
045682



Manual RC-HA1
045675



Trolley 10m³
037328



Filter
046580

		I ₂ TIG	I ₂ MMA	INTEGRATED TECHNOLOGY			TIG - MMA	U ₀							
50/60 Hz	A	A	A	PULSE	AID	SR	CEL	EN 60974-1 (40°C)	V	mm ²	W	cm	kg	IP	Protected & compatible power generator (+/-15%)
400 V - 3~	32	3 → 400	5 → 400	0.1 → 2500 Hz	■	■	■	400 A @ 60% 360 A @ 100%	85	70/95	35	75 x 30 x 54	40	IP 23	30 kVA