

CITOTIG DC ***Professional range***

Portable TIG DC welding installations



CITOTIG DC Professional range



CITOTIG DC Professional offers leading technology in TIG DC welding with a user friendly interface.

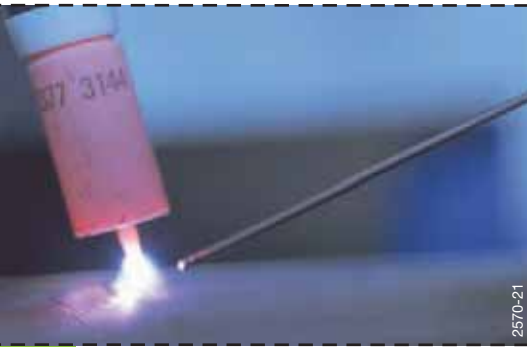


CITOTIG DC

- High quality welding results on carbon and stainless steels.
- For high demanding sectors of activity.



CITOTIG DC Professional range



Additional features include program storage capability and improved reliability due to Power Factor Control technology. CITOTIG DC Professional range delivers more power with reduced consumption: up to 220 A with a domestic 16 A plug.

Product description and features

- Modular technology to improve reliability.
- Built-in Power Factor Control device in conformance with future national standards and to improve efficiency and reduce electrical consumption. Factory fitted with a domestic 16 A plug. Improved compatibility with generators (+/- 20% input voltage variations). Works with extra long primary cables (70 m with 2.5 mm² section).



EASY HPF

- A simple welding cycle
- TIG DC or MMA mode
- HF and TIG Lift
- Pre and Post gas adjustment
- 2T / 4T mode
- 160 A at 35%

EASY: CITOTIG 1600 HPF front panel

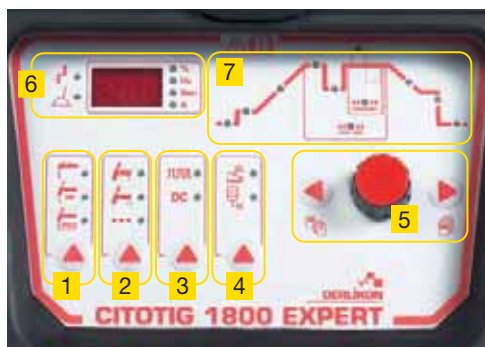


- 1 Safety and operation indication
- 2 Main current regulation
- 3 Process selection (MMA / TIG HF / TIG Lift)
- 4 Trigger cycle selection 2T / 4T
- 5 Pre-gas time selection
- 6 Slope-down time selection
- 7 Post-gas time selection

EXPERT

- A complete welding cycle is straightforward to set: initial, final current, up-slope, downslope, spot time, pre-gas, post-gas, reduced current (4T), pulsed frequency regulation
- High performance for MMA: up to 180 A at 40% at 40 °C
- Program storage capability (30)

CITOTIG EXPERT front panel



- 1 Welding mode (MMA, TIG with PAC striking, TIG with HF striking)
- 2 TIG welding: 2 Times, 4 Times, Spot
- 3 Pulsed - DC selection mode
- 4 Remote control - Foot pedal control selection
- 5 Programs storage and recall
- 6 Digital display
- 7 Complete welding cycle



Comply with the EN 61000-3-2/12 standard effective since december 2010, that limits the harmonic currents produced by equipment connected to public low-voltage systems

HPF
High Power Factor



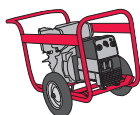
2010-890



2010-069



2010-072



Generator compatible

Technical characteristics

	CITOTIG 1600 HPF		CITOTIG 1800 EXPERT		CITOTIG 2200 EXPERT		
	MMA	TIG	MMA	TIG	MMA	TIG	
Single-phase input voltage	230 V +/- 20% 50/60 Hz		230 V +/- 20% 50/60 Hz		230 V +/- 20% 50/60 Hz		
Effective input current	15 A	11 A	15 A	11 A	16 A	12 A	
Open circuit voltage	49.5 V		50 V		50 V		
Welding current range	10 - 160 A		5 - 160 A		5 - 180 A	5 - 220 A	
Duty cycle at 40 °C	30%	160 A	-	-	-	-	
	35%	-	160 A	160 A	-	220 A	
	40%	-	-	-	160 A	-	
	60%	140 A	140 A	140 A	140 A	150 A	180 A
	100 %	120 A	120 A	120 A	130 A	130 A	150 A
Connector size	13 mm						
Protection index	IP 23 S						
Weight	9.5 kg						
Dimensions	205 x 345 x 460 mm						
European standards	EN 60974.1	✓		✓		✓	
	EN 60974.10	✓		✓		✓	
	EN 61000-3-2/12	✓		✓		✓	
Delivered equipped with	Primary cable, user manual, safety instructions, gas hose, earth cable with clamp (3 m)						

This equipment are designed for industrial and professional use only.



16A plug

Options and accessories

Remote control



Foot pedal



To order			
Power source	CITOTIG 1600 HPF W000273517	CITOTIG 1800 Expert W000273982	CITOTIG 2200 Expert W000273984
Option and accessories (only for 1800-2200 EXPERT)			
A	Remote control 10 m	-	W000242069
B	Foot pedal	-	W000241602

TIG torches



The new range of CITORCH T NG TIG torches perfectly fit with the high level of quality provided by the CITOTIG DC professional range.

The adapted models are CITORCH T 10, 20 or 30 (air cooled torches). They come:

- either with trigger as a blade: RL models
- or as a button: EB types.

The EB types are modular as they can be modified with the different type of buttons.

See complete range in the CITORCH T NG brochure



RL: Blade

	CITORCH T NG 10 RL C5B		CITORCH T NG 20 RL C5B		CITORCH T NG 30 RL C5B	
Cooling	Air					
Duty Cycle	125 A @ 35% 80 A @ 60%		150 A @ 35% 100 A @ 60%		200 A @ 35% 130 A @ 60%	
To order	5 m	8 m	5 m	8 m	5 m	8 m
Cat. number maintenance box	W000278984	W000278985	W000278986	W000278987	W000278988	W000278989
	W000306441		W000306442		W000306443	



EB: Button

	CITORCH T NG 10 EB C5B		CITORCH T NG 20 EB C5B		CITORCH T NG 30 EB C5B	
Cooling	Air					
Duty Cycle	125 A @ 35% 80 A @ 60%		150 A @ 35% 100 A @ 60%		200 A @ 35% 130 A @ 60%	
To order	5 m	8 m	5 m	8 m	5 m	8 m
Cat. number maintenance box	W000278380	W000278381	W000278382	W000278383	W000278384	W000278385
	W000306441		W000306442		W000306443	

Modular system:

All torches are delivered with a single button module. If you want another control module, order it separately.

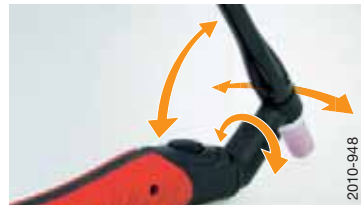


- 1 Horizontal potmeter - W000279370
- 2 Vertical potmeter - W000279246
- 3 Double button - W000279242
- 4 Blade - W000279245

For potmeter adapt the wiring to the welding machine using the 10 pins plug - W000148887

In option: Adjustable heads

As an option, adjustable torch bodies are available. Welding in inaccessible locations becomes easier. You have the choice of 2 heads, small and large to be mounted on air cooled or water cooled bodies.



Air cooled body - W000279381

Water cooled body - W000279382

Head CITORCH T NG 10 - W000279383

Head CITORCH T NG 20-30 - W000279384



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