

PULSEMIG 400 G

WELDING MACHINE MIG-MAG PULSED • 10 → 400 A

Ref. 062665



Digital technology, the PULSEMIG 400 G is a pulsed MIG/MAG welding power source with a separate wire feeder. Ultra high performance and designed for the highest performance level using the latest technology, it features +100 synergic curves and exceptional arc quality/performances. Intuitive and highly functional, its digital interface allows you to change welding parameters with ease. Equipped with its PULSFEEED-4W reel (optional), this welding power source provides productivity and quality of unmatched welding on all types of alloys.

MULTI-PROCESS WELDING

- **MIG/MAG :**
 - steel and stainless steel wire: Ø 0.6 to 1.6 mm
 - aluminium wire: Ø 0.8 to 1.6 mm
 - CuSi and CuAl wire: Ø 0.8 to 1.2 mm
- **MMA DC / Pulse :** basic, rutile and cellulosic electrodes (up to Ø 6 mm)
- **Tig DC lift / Pulse.**

SMART

- **SYNERGIC mode :** Select the material/gas type and wire diameter, now the PULSEMIG automatically determines the optimal welding conditions and allows you to adjust the settings (wire feed speed, voltage, current, arc length).

ACCURATE

- **Calibration** of welding accessories, to adjust the displayed voltage measurement and the energy calculation.
- **Energy**, display and energy calculation after welding according to EN1011-1, ISO / TR 18491 and QW-409.
- **Portability :** load / save as, JOBS from a USB key as well as the machine configuration.
- **Traceability :** trace / record all welding steps, weld by weld, during industrial manufacturing according to EN ISO 3834.

OPTIMISED MIG/MAG SETTINGS

- **Welding processes :** Manual, Dynamic STD, Pulsed, Modul Arc (variation of hot / cold current)
- **TACK modes :** SPOT and DELAY.
- **Trigger management :** 2T and 4T.
- **Precise control over the welding cycle :** CreepSpeed, Softstart, Hotstart, Upslope, Downslope, Crater Filler, Postgas, etc.

MAXIMUM PRODUCTIVITY

Intended for heavy and demanding industrial applications:

- **4 microprocessors** increase the speed of communication and optimize the efficiency of the product.
- **High productivity** thanks to its high duty cycle (400A @ 60%).
- **Connectable via a SAM control interface** for use on robot/automaton (optional).
- **Higher resistance and robustness** of the electronics.
- **Powerful electronically controlled wire feed motor** (100 W) with 4 active drive rolls.
- **High arc voltage** for easier ignition and exceptional arc dynamic.

ADVANCED INTUITIVITY

- **New user friendly interface** focused on welders' navigation habits.
- Complete update of the machine and synergies by USB key.
- Cooling unit (ref. 036246) and trolley (ref. 037328) optional.
- Storage of 500 welding programs (can be saved on USB stick).
- **Displays current/voltage** during and after welding (WPS/PQR).
- Choice of the main parameter to display on the screen (wire speed, average welding current, etc.).
- **Internal lighting** of the motorized roll and wire reel.
- **Viewing window** on trapdoor to check the consumption of the filler wire.
- **Intelligent ventilation management** to reduce power consumption, dust extraction and substation noise.

ROBUST AND MOBILE

- Reinforced metal case & non slip rubber pads.
- IP 23 protection rate.
- Interconnection cables (air or water cooled) up to 20m (optional).
- Remote settings of the wire feeder using the 2 optional remote controls (digital or analog).
- 4 rings/brackets for lifting/positioning.



Supplied without accessories



Complete packs

Steel / Stainless	Aluminium
063549	063563

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TECHNICAL DATA

PULSEMIG 400 G		
Power supply voltage	3 x 400 V +/- 15%	
Mains protection (delayed)	32 A	
Duty cycle factor	60 %	400 A
10 min/40°C EN 60974-1	100 %	360 A
Current range MIG-MAG / MMA / TIG	10 - 400 A	
No load voltage	85 V	
Charging voltage	MIG-MAG	14.5 - 34 V
	MMA	20.4 - 36 V
	TIG	10.4 - 26 V
Max. efficiency	%	91 %
No-load consumption	MIG-MAG TIG	37 W
	MMA	157 W
Protection class	IP23	
Dimensions	680 x 300 x 420 mm	
Weight	28.5 kg	

PULSFEEED 4W		
Power supply voltage	$U_{11} = 48 \text{ V} - 2 \text{ A}$	
	$U_{12} = 24 \text{ V} - 1 \text{ A}$	
Duty cycle factor	60 %	500 A
10 min/40°C EN 60974-1	100 %	460 A
Wire speed	1 - 22 m/min	
Wire feeder motor	4 motor reels	
Roller diameter	37 mm (Type F)	
Wires	\varnothing Steel	0.6 - 1.6 mm
	\varnothing Stainless steel	
	\varnothing Coated wire	0.9 - 2.4 mm
	\varnothing Aluminium	0.8 - 1.6 mm
	\varnothing CuSi / CuAl	0.8 - 1.2 mm
Wire reels	weight / min. \varnothing	5 kg - 200 mm
	weight / max. \varnothing	18 kg - 300 mm
Protection class	IP23	
Dimensions	630 x 440 x 290 mm	
Weight	19 kg	

ACCESSORIES & CONSUMABLES

 <p>PULSFEEED 4W wire feeder 062689</p>	 <p>Cooling unit PULSCOOL 036246</p>	 <p>Trolley T/M 400 037328</p>	 <p>Interconnection cables</p> <table border="1"> <thead> <tr> <th colspan="2">air</th> <th colspan="2">liquide</th> </tr> </thead> <tbody> <tr> <td>5 m</td> <td>70 mm²</td> <td>047587</td> <td>1.8 m 037243</td> </tr> <tr> <td>10 m</td> <td></td> <td>047594</td> <td>5 m 70 mm² 047617</td> </tr> <tr> <td>10 m</td> <td></td> <td>047600</td> <td>10 m 047624</td> </tr> <tr> <td>15 m</td> <td>95 mm²</td> <td>038349</td> <td>10 m 047631</td> </tr> <tr> <td>20 m</td> <td></td> <td>038431</td> <td>15 m 95 mm² 038448</td> </tr> <tr> <td></td> <td></td> <td></td> <td>20 m 038455</td> </tr> </tbody> </table>	air		liquide		5 m	70 mm ²	047587	1.8 m 037243	10 m		047594	5 m 70 mm ² 047617	10 m		047600	10 m 047624	15 m	95 mm ²	038349	10 m 047631	20 m		038431	15 m 95 mm ² 038448				20 m 038455
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 <p>Remote control digital RC-HD2 047662</p>	 <p>Support RC-HD2 for trolley 037779</p>	 <p>Remote control analog RC-HA2 - 10 m 047679</p>	 <p>SAM robotic control interface 062993</p>	 <p>Mini USB keyboard AZERTY - 027725 QWERTY - 027770</p>																											