

SMART 500 MP

INDUSTRIAL EQUIPMENT FOR MULTIPROCESS
WELDING INVERTER TECHNOLOGY

Ref. 22300500MP

FT-22300500MP

03-05-2017

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GENERAL FEATURES

Description:

Multiprocess Inverter technology power source; wire and coated electrode welding. MIG/MAG process with continuous welding voltage adjustment from wire feed unit. Modular system with optional water-cooling module for welding torch.

Application:

Industrial use. MIG/MAG welding of normal steels, stainless steel and aluminium. MMA TIG auxiliary use.

Electrical power supply:

3Ph. 400V –50/60Hz

Main advantages:

- Welding voltage adjustment (from wire feed unit).
- Electronically controlled constant voltage.
- Cooled modular system.
- Electronic inductance.
- Final cycle adjustment of crater refilling.
- Digital V-I as standard.
- MMA & DC TIG Manual Welding Process (Striking system by scraping and manual gas control).

TECHNICAL FEATURES		SMART 500 MP Ref.
Input voltage U_1 (Three-phase, 50-60hz) (1)		400 V
Effective power absorbed P_{1eff}		20 KVA
Maximum input intensity I_{1max}		38 A
Maximum effective intensity I_{1eff}		29 A
Power factor Co_{Sphi}		0.93
MIG/MAG adjustment margin		50 ÷ 500 A
I_2 intensity of MIG welding	D.C. = 100%	387 A
I_2 intensity of MIG welding	D.C. = 60%	500 A
MMA/TIG adjustment margin.		20 ÷ 500 A/60%
Inductance adjustment system		Electronic
V-I parameter measurement system		DIGITAL
Mechanical protection index (IP)		IP 21S
Ventilation		Forced
Dimensions (width x height x length)		285x543x595 mm
Weight (power source only)		35 kg
Wire feed system		WF-4R
ACCORDING TO UNE-EN 60974.		



Soluciones en soldadura

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USE MODES

Reference	Description	NON-COOLED	COOLED
22300500MP	Smart MIG 500 MP Source	•	•
22300500WF	Wire feed unit WF-4R	•	•
PK555040	Welding torch PK555		•
PK4012	Torch TR400	•	•
22300500CBR	Cooled cable set, 5m		•
22300500CB	Non-cooled cable set, 5m	•	
22300500CRR	Transport trolley	•	•
22300500WCS	WCS Cooling Module		•
39200094	Liquid coolant		•

Functional Operation



No.	DESCRIPTION
1	MMA welding current adjustment
2	Crater final current adjustment
3	2S/4S pulse mode switcher
4	Bleed gas
5	Ammeter (Welding current)
6	ON / OFF LED
7	Overheating indicator LED
8	Overload indicator LED
9	TIG/MMA/MIG process selection
10	Voltmeter (Welding voltage)
11	Inductance adjustment control
12	Welding current regulator control in MMA



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