

SMART MIG 500

INDUSTRIAL EQUIPMENT FOR MIG/MAG WELDING
INVERTER TECHNOLOGY

Ref. 22300500RKIT

FT-22300500RKIT

24-06-2015

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GENERAL CHARACTERISTICS

Description :

Multi-process power source based on Inverter technology. 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).
- "Corrosion-proof " industrial threaded connectors.

500 A/60% ; 430 A 100% ; 385 A 100%

TECHNICAL FEATURES	SMART MIG 500 Ref.22300500RKIT
Input voltage U_1 (TRIF. 50-60 Hz) (1)	400 V
Maximum absorbed power P_{1max}	21.5 KVA
Maximum input intensity I_{1max}	36 A
Maximum effective intensity I_{1eff}	28 A
Duty cycle Co_{Sphi}	0.93
Adjustment margin of welding voltage $U_{2min}-U_{2max}$	15-40 V
Inductance adjustment system	Electronic
I_2 intensity of MIG welding D.C. = 100%	385 A /33 V
I_2 intensity of MIG welding D.C. = 60%	500 A /39 V
V-I parameter measurement system	DIGITAL
Mechanical protection index (IP)	IP 21S
Ventilation	Forced
Dimensions (width x height x length)	385x665x695 mm
Weight (without Wire feed unit)	50 Kg
Wire feed system	4R Wire feeder
Transport trolley	Yes
Water cooling module	Yes
Extension cord (5 m)	Ref. 63984000ke
ACCORDING TO UNE-EN 60974.	



Soluciones en soldadura

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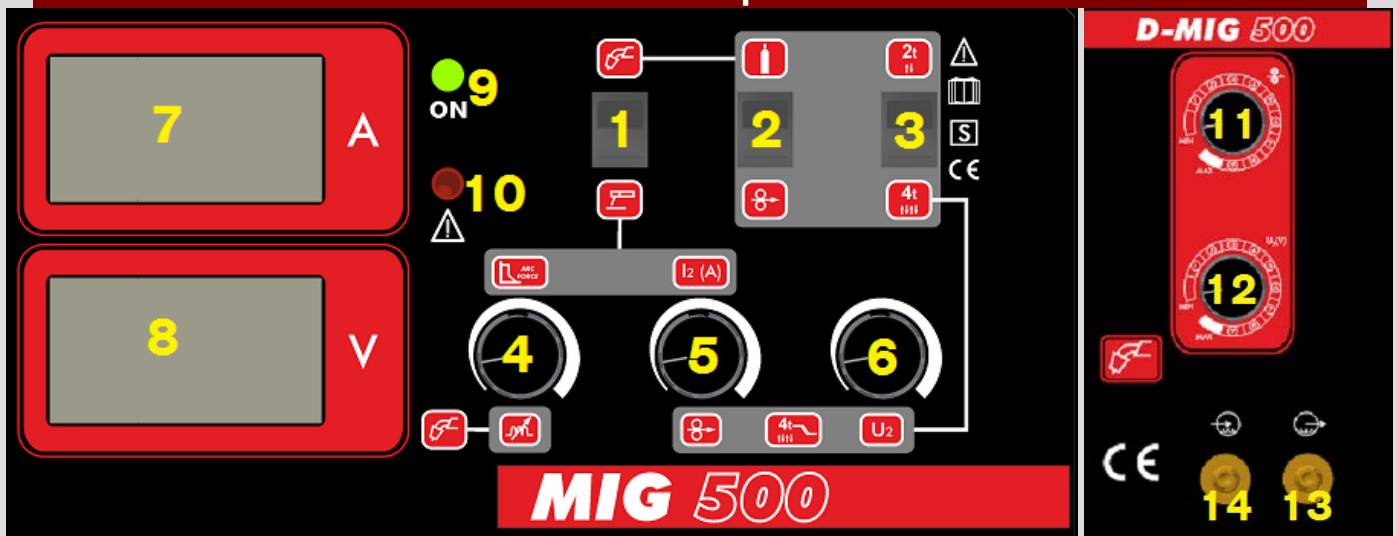
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COOLED EQUIPMENT KIT

Reference	Description	22300500RKIT
22300500	TIG 500A Power source	●
22300501	MIG 500 Wire feed unit	●
63984000ke	Cooled cable set, 5 m	●
22300502	Transport trolley	●
22300503	WCS Cooling Module	●

Functional Operation



No.	DESCRIPTION	USE	
		MMA	MIG/MAG
1	Process selection	MMA	MIG/MAG
2	Bleeding activation	Disabled	GAS - WIRE
3	MIG torch mode selection	Disabled	2S – 4S
4	Parameter setting	Arc force	Arc dynamics
5	Parameter setting	Welding current	End wire speed (only in 4S mode)
6	Parameter setting	Disabled	End voltage
7	Current display		
8	Voltage display		
9	LEED lit		
10	Alarm LED		
11	Parameter setting	Disabled	Wire speed
12	Parameter setting	Disabled	Welding voltage
13	Outlet connector	Disabled	For torch blue sleeve
14	Inlet connector	Disabled	For torch red sleeve



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