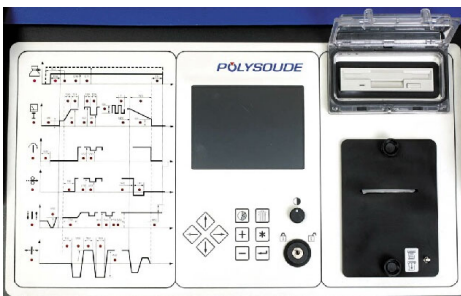


PS 256 POWER SOURCE



Ideal for use on site or in workshop



Operating panel with integrated printer



Remote control with 6 axes

CHARACTERISTICS

- Inverter based power source technology
- Integrated arc voltage height control and weaving motions
- Large capacity memory, over 150 programs (by integrated PC)
- Data acquisition of actual parameters, printout via integrated printer
- Possibility of connecting a separate printer
- Storage of programs by internal non volatile memory and/or by 3.5" disk
- Programmable gas (mass flowmeter) with flow safety valve
- Integrated closed water cooling system

USE

User friendly due to high performance, intuitive programming

TECHNICAL DATA

- Current ranges: 4 - 250 A
- Duty cycle: 250 A / 60 % - 190 A / 100 %
- Welding parameters displayed via built in (5,7") LCD screen and remote control operator pendant:
 - welding current
 - arc voltage
 - modified parameters
 - torch position in degrees (impulses of movements)
 - the welding cycle time remaining
- Remote control pendant with:
 - liquid crystal display screen
 - program selection
 - control of cycle start and cycle stop
 - emergency stop
 - manual movement control: torch, wire feeder, oscillation and arc voltage
 - real time modification of parameters with cursors Delta +_
 - gas and water flow control / security
 - manual slope down

APPLICATION SECTORS

- Chemical industry, pipelines
- Aeronautics / Aerospace
- Heating and ventilation: production of heat exchangers
- Mechanised welding (with P0 motor)

ACCESSORIES

- External printer kit
- Gas hose
- Pressure regulator and flowmeter Argon and Argon/Hydrogen
- Materials handling car
- Manual torch 8 m with quick connectors and accessories

TECHNICAL DATA PS 256

Power input	Three phase + ground 400V \pm 10 % 50 or 60 Hz
Main fuses	Depending on voltage
Open circuit voltage	106 V
Insulation class	F
Protection class	IP 21 IK04
Welding current range	4 - 250 A D.C.
Duty cycle	250 A / 60 % - 190 A / 100 %
Current resolution	1 % when $I \geq 100$ A - 1 A when $I \leq 100$ A
Pulse time	from 10 to 9999 ms
Movement controls	Direct or pulsed current Constant or pulsed command of torch rotation Constant or pulsed wire feed, wire-retract at the end of the weld Arc Voltage Control Oscillation
Precision on movements	\pm 1 %
Gas	Programmable mass flowmeter for gas with flow safety valve Second gas (option)
Power source cooling	Forced ventilation
Torch cooling	By water in closed circuit with flow safety valve
Display of real values during cycle	Continuous display: <ul style="list-style-type: none"> . of arc voltage . of welding current . of impulses of movements
Programs in user memory	> 150 (on hard disk, by integrated PC)
Display screen	5,7"
Display remote control	4 lines of 20 characters, with 8 characters reserved to the designation of programs
Program sectors	24 maximum
Program storage	On 3.5" disk – On paper via the printer
Weld report	By integrated or external printer (option)
Auto-diagnostic system	By display of error
Standard application variants	With welding heads: TS – TP - MU – POLYCAR - MW – HD - K - UHP AVC/OSC slides direct use of wire feeder POLYFIL
Auxiliary options	Possibility of connecting a manual TIG torch Standard: possibility of controlling welding heads with tachometer feedback
Size L x W x H (mm)	Two stackable elements: 595 x 485 x 565 each
Weight	30 + 45 kg
Standard	EN 60974-1 and EN 50199