

PS 164 POWER SOURCE

for orbital welding with or without filler wire



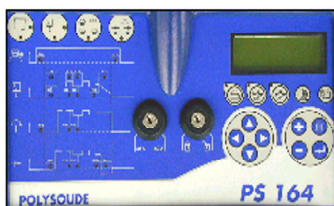
Ideal for use on site or in workshop



Easy connection with quick self scaling connectors



*Integrated printer
Ideal for monitoring welding cycles and for traceability*



Control panel for operator / PS 164

CHARACTERISTICS

- 16 program "user" memory directly accessible by remote control
- Library with 60 pre-defined programs covering various common material types, tube diameters and wall thickness
- Storage of programs by internal memory and/or memo chip card
- Practical display screen with 4 lines of 20 characters
- Data acquisition of actual parameters, with control ticket print out via integrated printer

USE

User friendly due to high performance, intuitive programming

TECHNICAL DATA

- Current ranges:
4 to 160 A (230 V) + 4 to 50 A (at 230 / 115 V)
4 to 100 A (at 100 / 115 V)
- Duty cycle: 160 A / 40% 110 A / 100% (230 / 200 V)
- Screen display during welding:
 - of welding current
 - of voltage
 - of torch position in degrees
- Remote control pendant with:
 - program selector switch
 - cycle start and cycle stop
 - emergency stop
 - manual movement control torch and wire feeder motions
 - real time modification of parameters
 - gas and water circulation control / test
 - manual slope down

APPLICATION SECTORS

- Food industry
- Aeronautics / Aerospace
- Microelectronics
- Pharmaceutical / Biochemistry
- Heating and ventilation

PROCESS

- DC TIG welding with or without wire

ACCESSORIES

- PC programming kit
- 16 program memory card
- 15 m extension cable
- Gas hose
- Pressure regulator and flow meter Argon/Argon- Hydrogen

ADVANTAGES

- Integrated torch cooling system by water circulation in closed circuit
- Compact and easy to transport
- Possibility to connect heads with tachometer, as option
- Possibility of connection to manual TIG torch

TECHNICAL DATA PS 164

Power input	Single phase + earth 100 V / 115 V / 200 V / 230 V +/- 10% 50 or 60 Hz
Current rating	16
Open circuit voltage	60 V
Power	3.6 kW
Insulation class	F
Protection class	IP 23
Welding current range	Range 160 A: 4 to 160 A (200 V / 230 V) 4 to 100 A (100 V / 115 V) Range 50 A: 4 to 50 A
Duty cycle	160 A / 40% at 230 V 100 A / 50% at 115 V 110 A / 100% at 230 V 80 A / 100 % at 115 V
Pulse time	from 10 to 9999 ms
Movement controls	Torch rotation Wire feeder
Precision on movements	+/- 1% for Vp >= 250 (Vp = programmed travel speed) +/- 4 for Vp < 250
LCD-Display	4 x 20 characters
Gas controls	Gas torch, backing gas (option)
Power source cooling	Forced ventilation
Torch cooling	By cooling liquid in closed circuit with flow safety valve
Display of real values during cycle	Arc voltage, welding current, torch position in degrees
Programs in "user" memory	16 maximum
Program library	60
Program sectors	10 maximum
Program storage	Memo chip card
Dimensions L x W x H	560 x 295 x 370 mm
Weight	30 kg
Standard	EN 60974-1 and EN 50199

The PS 164 power source for orbital welding allows the use of closed welding heads, open welding heads without AVC/OSC

