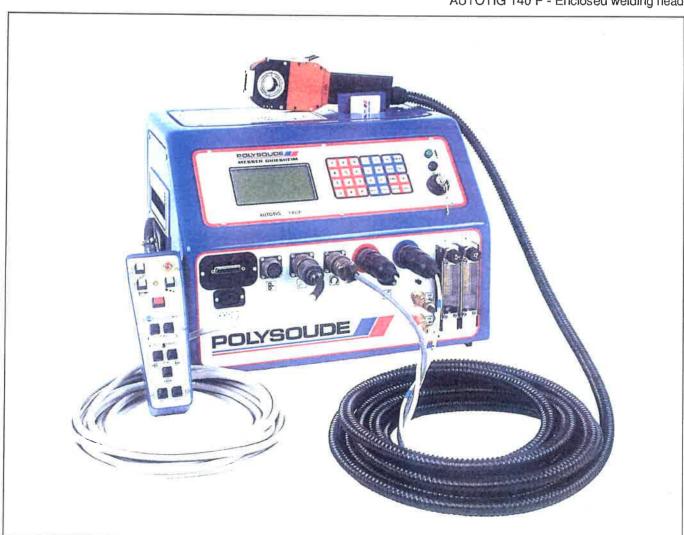


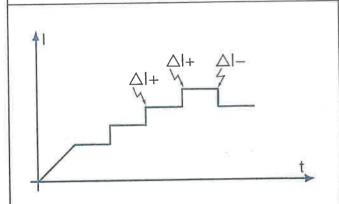
AUTOTIG® 140 P

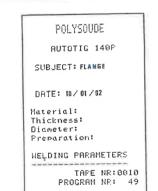
- A new generation of programmable portable TIG orbital and automatic welding power sources.
- Robust, compact and light.
- Inverter based.
- Single phase mains input.
- 140 Amp. output (100% duty cycle).
- 24 programme internal storage capacity.
- Hand welding capability.
- Wire feed possible with POLYFIL B wire feeder.

- Working range: 1 140 Amps.
- Up to 99 separate sector changes for a given programme.
- All parameters are changeable during the weld cycle.
- Parameter changes may or may not be memorized.
- Integral card reader with "memo card" and external printer for programme saving and control.
- Interface with the Polytherm for closed loop water cooling of weldheads and hand torch.

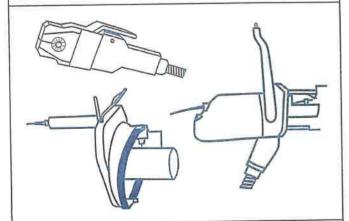
AUTOTIG 140 P - Enclosed welding head

















AUTOTIG

The new generation of microprocessor of

PROGRAM



- Prepurge, Postpurge, Flow.



 Upslope, Prefusion, Current, Downslope, Pulse characteristics.



- Start, Stop, Speed, Pulsing.



- Start, Stop, Speed, Pulsing.*



- Sectors (position based).



- Programme sectors are creatable during the welding cycle. Incremental adjustments of parameters during welding (up or down): current, speed etc via remote control.
- All parameter values are adjustable numerically during welding via the keypad.



- Programmes stored without the power source being connected.
- External printer for weld procedure listing.*
- Integral card reader with "memo card" allows saving of programmes and machine to machine transfer.

APPLIC

 The electronics within the Autotig 140 P produce a responsive arc with a defined difference between high and low pulse. This means that the heat input is precisely controlled and thus the weldability, especially of the more

UPGRA

- Water cooling Closed loop water cooling circuit to augment the duty cycle : POLYTHERM.
- Wire addition For applications of slightly thicker wall thickness or tough quality standards: POLYFIL B.
 - * Optional

140 P

itrolled orbital TIG power source,



- All programming is via the keypad/display which has been designed to be easily operated and user friendly.



- Temporary parameter adjustments can be made during welding without altering the programme.



- Parameter hardcopies give a permanent record of preprogrammed parameters for the weld procedure library or quality control purposes.



difficult materials, is enhanced. The 24 memory storage capacity of the Autotig 140P and a change of weldhead means it is easy to move quickly from one application to another with the minimum of time loss.



- Backing gas control Integrated into the power source for higher grade materials.
- Multilingual facility English/French, English/German, etc...



Technical specification	Standard	Optional
Supply voltage	- Single phase 220 V, 50/60 Hz	
Primary rating	- 3,5 kVA	
Open circuit voltage	- 100 V	
Power source cooling	- Forced air	
Torch cooling	- Air	- water-cooled via Polytherm
Thermal protection	- Yes	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Insulation class	-F	
Protection rating	- IP 21	
Max. current	- 140 A/100 %	
Accuracy	-±1%	
Pulsed current range	- 1 to 140 A	
Pulse times	- 0,01 - 0,99 s	
Wire feed facility		- Polyfil B
Rotation sequencing	- Positon based	•
Wire sequencing		- Time and/or position based
Sector sequencing	- Position based	,
Position accuracy	- Better than 1° of angle (= 0.2 mm for 25 mm tube)	
Number of possible sectors	- 99	
Gas control	- Integral gas flowmeter with safety cut off	- Backing gas flowmeter with safety cut off
Remote control	- Yes	
Parameters saving and controlling	- Integral card reader with "memo card"	- External printer
Parameters monitored during welding and displayed	- Voltage, current (high), travel speed, wire speed	
Weight	- 34 kg (75 lbs)	
Dimensions 140 P	- 520 x 400 x 370 mm (20" x 16" x 15")	
Polytherm weight		- 20 kg (44 lbs)
Polytherm dimensions		- 520 x420 x 300 mm (20" x 17" x 12")
Microprocessor security entry code	- Yes (if programmed)	•

Service Polysoude.

All our technicians are at your disposal for technical advice, training and commissioning.

