



**Mobile Power Source
P6 HW
DC – Cold / Hot Wire**

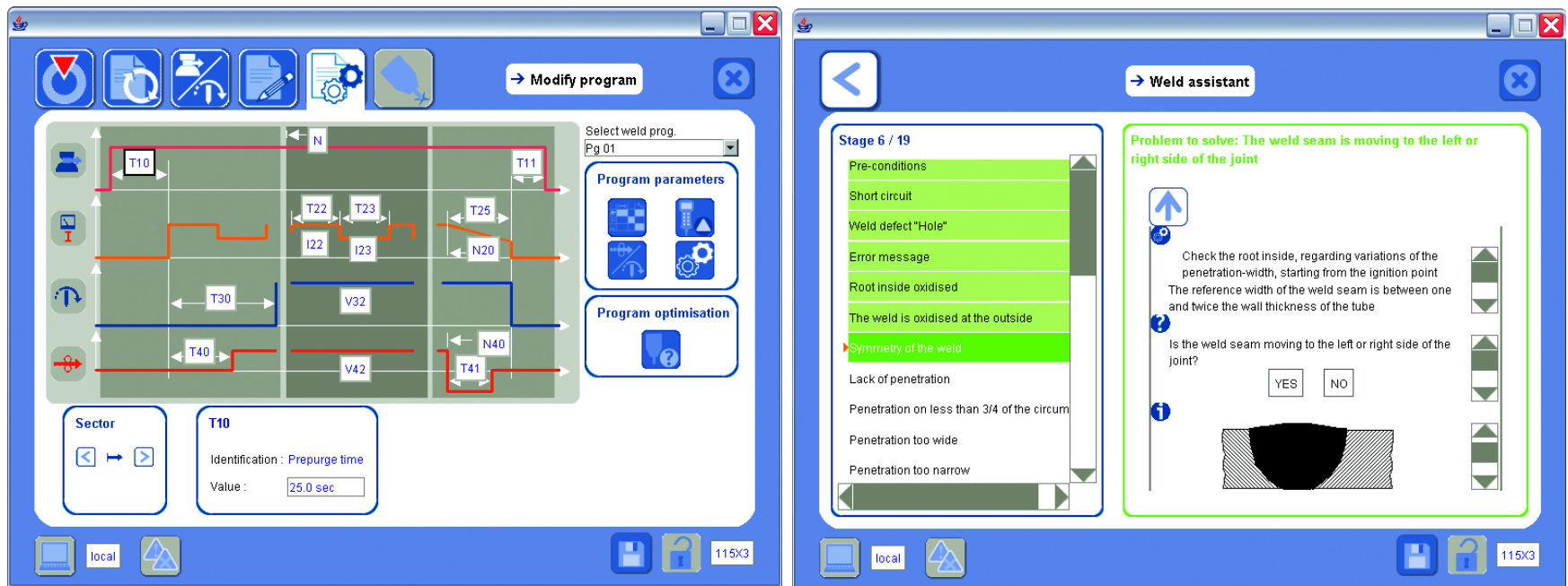
MOBILE POWER SOURCE P6 HW



TIG DC – Cold / Hot wire
With AVC, OSC

TECHNICAL PRESENTATION

Intuitive User Interface (GUI)



With multilingual “Help” menu for optimised welding programs

TECHNICAL PRESENTATION

Synergic Mode Auto-Programming

Change WP

WP designation

Diameter +/-

Wall thickness +/-

Base material

Application

Welding position

Welding process

Weld head

Host name

Target

Polysoude WP

User WP

Location

Machine

USB

Search results

3 Corresponding WPs

3 Calculated WPs

local 115X3

Available WPs

	Diameter	Wall thickness	Base material	Weld head	Application	Welding process	Welding position	Location	Lock
25.4X2.11 A	25.4	2.11	Stainless steel	MW 115	Tube/Tube	TIG without wire	PG/PF - 5G	Machine	Lock
25X2 A	25.0	2.0	Stainless steel	MW 65	Tube/Tube	TIG without wire	PG/PF - 5G	Machine	Lock
26.9X1.65 A	26.9	1.65	Stainless steel	MW 65	Tube/Tube	TIG without wire	PG/PF - 5G	Machine	Lock
⚡ C 00	26.0	2.0	Stainless steel	MW 40	Tube/Tube	TIG without wire	PG/PF - 5G		
⚡ C 01	26.0	2.0	Stainless steel	MW 65	Tube/Tube	TIG without wire	PG/PF - 5G		
⚡ C 02	26.0	2.0	Stainless steel	MW 115	Tube/Tube	TIG without wire	PG/PF - 5G		

Rename WP

WP designation

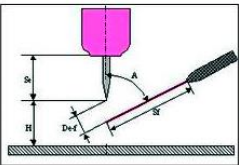
local 115X3

TECHNICAL PRESENTATION

Traceability and Complete Documentation of Mechanical and Electrical Parameters

← Mechanical adjustments

Select weld prog. Pg 01 Start time 3 h



Drawing Data

	Value	Tolerance +	Tolerance -
Se - mm	11.00	0.00	0.00
De - mm	2.00	0.00	0.00
Sf - mm	11.00	0.00	0.00
H - mm	2.00	0.00	0.00
A - °	70.00	0.00	0.00

Se

Value: 11.00

Tolerance +: 0.00

Tolerance -: 0.00

local 115X3

← Kind of workpieces

Workpiece selection Identical workpiec



Drawing Data

	Value	Tolerance +	Tolerance -
E - mm	3.00	0.00	0.00
E* - mm	3.00	0.00	0.00
B - °	0.00	0.00	0.00
D - mm	2.00	0.00	0.00
R - mm	0.50	0.00	0.00

E

Value: 3.00

Tolerance +: 0.00

Tolerance -: 0.00

local 115X3

TECHNICAL PRESENTATION



Program control by time or angular degrees calibrated in mm/min or inch/min

Comprehensive real-time welding data acquisition

Error-diagnostic system

Automatic welding head recognition

Built-in printer for welding procedure archiving and documentation

TECHNICAL PRESENTATION



Ethernet compatible

Closed loop regulation of torch rotation and wire speed

Built-in Arc Voltage Control (AVC) and Torch Oscillation Control (OSC)

Torch gas control with safety valve and flow detection

External closed loop water cooling system with safety valve for welding head and torch

TECHNICAL PRESENTATION



Offline & online programming with standard PC as well as optional touch screen

TECHNICAL PRESENTATION



USB memory stick for saving, loading and archiving of welding programs and monitored welding data

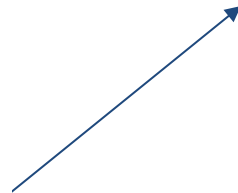
TECHNICAL PRESENTATION



Full function remote control 6-axes with welding
program selection

ASSOCIATED WELDING HEADS

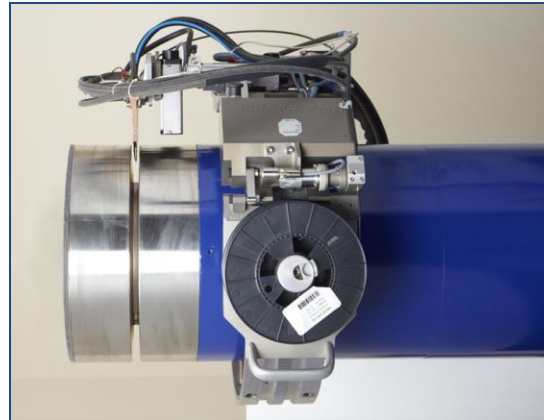
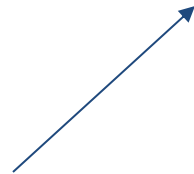
For mid-size tubing and piping



Open Type Welding Heads
MU IV 195 HW
O.D. 76 – 195 mm

ASSOCIATED WELDING HEADS

For heavy duty tubing and piping



Open type carriage
welding heads
Polycar PLC
O.D. ≥ 168 mm

ADVANTAGES

- Automatic welding procedure generation with an intelligent and intuitive user interface combined with the latest most reliable industrial electronics
- Real time welding data acquisition
- High precision inverter power source, compact design with built-in water cooling system for welding head and torch



TECHNICAL SPECIFICATION

Welding current range	5 to 520 A - constant or pulsed
Hot Wire current range	3 to 140 A
Welding current precision	± 1 A when $I \leq 100$ A and $\pm 1\%$ when $I > 100$ A
Duty cycle welding current	≥ 520 A / 60 % - 420 A / 100 %
Duty cycle Hot Wire	140 A / 100 %
Motion controls	Torch rotation: constant or pulsed Wire feeder: constant or pulsed / automatic wire retract AVC - Arc Voltage Control OSC - Torch Oscillation Control
Shielding gas control	Welding gas, backing gas, with flow safety valve
Power source cooling	Forced ventilation
Welding torch cooling	External cooling system with internal flow safety valve
Display / recording (non-volatile) of real values during welding	Arc Voltage, welding current, electrode position in angular degrees, welding speed and wire speed
Real time data acquisition	Hard disc / USB memory stick

Thank you for your attention!