

# ELECTROFUSION CONTROLLERS AND EQUIPMENT



Plasson USA is recognized around the world as offering cutting edge technology and leading product innovation in the development of plastic welding technologies for pipeline construction.

Plasson USA offers a full line of control boxes, scrapers, clamps, re-rounding tools, pipe cutters, squeeze tools, tapping tools and cutters. From GPS location services for your installation utilizing the Plasson USA control boxes to innovative scraper designs and many other unique tooling offerings, we've got you covered.



INDUSTRIAL



GAS



MINING



WATER



FIRE  
PROTECTION



LANDFILL

# ELECTROFUSION EQUIPMENT – CONTROLLERS

Plasson USA Electrofusion Polymatic Plus USB Control Boxes feature multiple modes of operation including:

- Universal Mode for fusion of other manufacturers Electrofusion Fittings
- Barcode System for easy scan of fusion data
- Plasson Smart System for self recognition of Plasson USA Electrofusion Fittings
- Manual mode for manual input of fusion data



## PRODUCT DATA

### TECHNICAL DATA

ISO 12176-2 Class	P2 4 U S1 V AK D X
Input Voltage	230V ~/AC, (185V-300V)
Input Current	16A
Input Frequency	50Hz (40-70Hz)
Power Factor	cos ϕ < 0.6 – 0.9 (Phase Angle Control)
Output Voltage	8-48V AC/~
Output Current	80A (max.: 110A)
Energy Adjustment	Temperature Compensation
Power Consumption	3600VA
Temperature Range	-10°C - 50°C
Protection Class	CE, IP54, Class 2
Weight incl. Cables	20kg
Main Supply Cable	5 m (Euro-Plug)
Welding Cable	5m
Welding Terminals	4.7mm /4.0mm
Display	4 x 20 Characters (alphanumeric), background lighting
Dimension	440mm x 380mm x 320mm

### MONITORING FUNCTIONS

Input	Voltage / Current / Frequency
Output	Voltage / Resistance / Contact / Short Circuit / Current Monitoring
Other	System / Working Temperature / Service
Error Messages	Plain Text / Acoustic Signal

### DATA RECORDING-POLYMATIC PLUS

Number of Reports	1200
Interface	USB (USB - Memory stick, included)
Data format	PDF / CSV

### RECORDED DATA

General Data	Commission Number (40 digits alphanumerical) Weather (DVS) / Joint Number / Report Number
Fusion Data	Voltage / Current / Nominal and Actual Welding Time / Mode / Resistance / Error Messages with 10 Voltage-Current Values
Fitting Data	Barcode Information (ISO/TR 13950) / Type / Dimension / Manufacturer
Device Data	Serial Number / Inventory Number / Date of Last Service / Working Hours / System Configuration
Operator Code	Barcode (PF or ISO 12176-3) for operator identification and access to manual input and system configuration
Weather Condition	DVS 2207 / 2208
Welding Barcode	ISO-TR 13950
Traceability Barcode of Fitting	ISO-12176-4
Traceability Barcode of 1st pipe	ISO-12176-4
Traceability Barcode of 2nd pipe	ISO-12176-4
3rd Traceability Code / Infotext	ISO-12176-4
Pipe Length	0.00m – 999.00m
Trench Depth	0.00m – 99.99m

### OTHER FUNCTIONS

Output Options	Whole Memory / Comm.-No.
Commission Number Input/ Selection	Barcode, Manual, Internal List of 75 Comm.-No. for Selection

### ENCLOSED PARTS

Control Box, Transport Box, Adapter 4.7/4.0mm, Instructions Manual

# ELECTROFUSION EQUIPMENT

Plasson USA offers a full line of scrapers for PE Pipe sizes ranging from ½” – 32”.

- Rotational Scrapers
- Hand Scrapers
- Chain Scrapers

Plasson USA offers additional tools for PE Piping Systems such as:

- Electrofusion Coupling Clamps
- Pipe Shears/Cutters & Rotational Pipe Cutters
- Pipe Rollers & Supports
- Re-Rounding Tools
- Chamfering Tools
- Tapping Tools/Equipment



 **PLASSON USA**