



Acu-Tech EF300 Electrofusion Pressure Welder

Includes EF300 & EF300GPS models



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New technology has led to the development of a generation of HDPE welding products that boasts an array of unique and revolutionary features. Acu-Tech's EF300 Pressure Welder has been designed and built by a reputable company in Germany, with the low weight and compact dimensions not compromising the top-notch performance ability and unconditional reliability.

The EF300 Pressure Welder is used for electrofusion jointing pressurised HDPE pipes and fittings for diameters from 20mm up to 1200mm diameter. Built to withstand harsh site conditions, the EF300 welder is easy to use, and has large start and stop buttons, colour coded for easy recognition.

Key Features:

- Welding range of diameters up to 1200 mm.
- Automatic data logging of 10,000 welding reports.
- Data can be managed on your phone – via Bluetooth & the 'WeldTrace' app.
- Display screen is visible in the dark and works in extreme temperatures.
- Easy to use – will sit on its back for better access.
- Optional recording of GPS location of each weld (EF300GPS units only).
- The strong handle also doubles as a cord holder.
- Highly portable – only weighs 16 Kg.
- Comes with an aluminium carry case.
- Fitting information can be entered by barcode, fusamatic pin or manual entry.
- Welding information can be retrieved on the screen, eliminating the need to print a report.
- USB connection and Bluetooth connectivity to easily download report data.
- Multilingual, easy-to-understand interface, with simple colour-coded control buttons.

If you value your welding operator's time, the EF300GPS Pressure Welder units have the added feature of on-board geo-data recording at the touch of a button. The EF300GPS has all the features of the standard EF300 welder, but also includes GPS functionality. While both models offer an intuitive data download menu that enables the download of welding and traceability data either as an abstract or extended report in PDF format, the EF300GPS Pressure Welder adds the GPS coordinates of the weld to the traceability information.

The EF300 Pressure Welder boasts Bluetooth connectivity and scanner functions to reduce welding errors and increase welding speeds. With a state-of-the-art high resolution display screen, the EF300 Welder's GT keypad offers convenient input of all required welding parameters and traceability data. The alpha-numeric keypad allows up to 65 characters of additional details to be entered. Another unique feature of the EF300 Welder range is the on-board 'ViewWeld', which allows the user to view the welding report abstracts on the screen and browse through them, eliminating the need to print the report off to check each joint.



Until now, data recording of EF welding units has been limited to only answer; "who has jointed what, when and how?" Traceability has now been extended to include another critical answer, which used to be the real challenge; "where is the welded component?" This answer is made easy with the new EF300GPS Pressure Welder and its specifically developed high-resolution geo-data functionality that records GPS coordinates with maximum precision.

The new line of EF300 Pressure Welders also brings the ability to automate the task of manually writing comments on the pipe with a marker pen. Writing down cooling times, names, or other remarks on the pipe will soon be a thing of the past. The EF300 welder can connect via USB to a specialised label printer, and send a mini-report of a selected welding operation to a label printer. The abrasion-proof plastic label can then simply be affixed to the pipe or fitting. Contact Acu-Tech for availability and pricing. As always, the standard download as a PDF report, or in the 'DataWork' database format, continues to be available via the USB port, or via Bluetooth and the 'WeldTrace' app on your mobile phone.

While the EF300 welders are suited to welding electrofusion fittings on pressure pipes, Acu-Tech's EFD160 Drainage Electrofusion Welder is suited to welding electrofusion fittings on non-pressure discharge lines up to 160mm OD. Contact our team, or see our website for more information on the EFD160 Drainage Welder.

All persons using this welder must be properly qualified, use common sense, and follow the instructions in the EF300 Electrofusion Welder Operating Manual, else injury may occur to the operator or others.

EF300 Pressure Welder Characteristics

Data logging	Automatic data logging of 10,000 welding reports.
Welding Range	Diameters up to 1200 mm.
Data Input	Fusamatic, bar code scanner, manual input of numeric fitting code or welding voltage and welding time, recording of geo-coordinates.
Welding Monitoring System	In-built monitoring system will track welding voltage, resistance, welding current, established contact, short circuit, ambient temperature, input frequency, input voltage, memory management, welding unit temperature, and maintenance interval.
Traceability pursuant to ISO 12176-2/4	Commission number, 32 alphanumeric characters, welder ID code ISO-compliant, welder code, 20 characters of additional data (user defined), 15 characters of additional data (user defined), traceability code/second fitting code, 1st and 2nd pipe codes, weather conditions, joint number, inventory number, installing company.
Data output	USB port for data transfer as PDF abstract or extended report to USB drive (or to the label tag printer), including dedicated printing menu. Transfer is also possible in the DataWork format, using the download menu to select date range, licence number or report number range.
Miscellaneous	Alphanumeric data inputs with GT keypad, report view accessible via menu, including search function, ViewWeld feature, AutoWeld feature, and dedicated memory back-up routine.

Specifications

Display	Robust high-resolution display screen with character size 8 mm.
Output Voltage	8 - 48 V
Output Current	Max. 110 A
Input Voltage	180 V - 280 V (230 V), 110 V/48 V optional.
Input Frequency	40 - 70 Hz
Input Current	AC 16 A
Suggested Generator	5.9KVA
Approvals/Quality/Ingress protection	CE, WEEE Reg. No. DE74849106, ISO 9001:2008, IP54 (IP64 optional).
Languages	English, French, German, Italian, & others.
Temperature Range	-20°C to 60°C+
Power Cord	5m cord with Australian plug.
Welding Cable	4m with 4.7 mm connection terminals.
Contact Adapter	4.0 mm in adapter bag (other adapters optional).
Weight	16 Kg.
Dimensions	W 236 x H 295 x D 330 mm
Warranty & Service	12 months Warranty. Recommended service is at least every 12 months.
Product Code	EF300 – Standard EF Pressure Welder without GPS. EF300GPS – EF Pressure Welder with GPS Functionality. (EFD160 – Electrofusion Drainage Welder).
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