INSTRUCTIONS

Polyvalent electrofusion welding unit EURO MIDI 400

EURO STANDARD

PE/PP fittings for pressure pipes for gas and water

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Technical characteristics

supply voltage	230 V ±15% (195 V ÷ 265 V) – 50/60 Hz
output voltage	8 ÷ 48 V
welding current @ 60 %	75 Amp
maximum output current	100 Amp
spool short circuit current	+ 15 % average welding current
maximum power consumption adjustable power	4800 VA 3600 VA
working range	Ø 20 ÷ Ø400 mm
operating temperature	- 10 °C ÷ + 45 °C
welding data entry	manual/automatic with barcode optical scanner
ISO codes used	ISO 13950 24 characters (ef welding - interleaved 2.5) ISO 12176-3 30 characters (operator badge) ISO 12176-4 26 + 40 characters (traceability)
manual setting of	Welding voltage - Welding time Accessory Type - Accessory Diameter Operator code - Job number
internal memory	1000 welding cycles
communication port	USB 2.0 host
protection degree	IP 54
dimensions L x W x H	25 X 32 X 26 cm

weight	19 KG
available languages of menu messages	7: ITALIAN (I) - ENGLISH (UK) - FRENCH (F) SPANISH (E) - GERMAN (D) - POLISH (P) PORTUGUESE (PT) - RUSSIAN (RU)
suitable for the welding of the following electrofusion fittings	PE electrofusion fittings for pressure networks up to voltage 48V and up to diameter 400 mm

Reference standards

UNI 10566

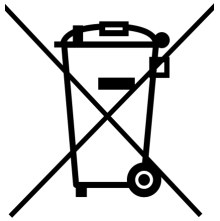
ISO 12176-2 :2008

CEI 64-8

2006/42/CE

2004/108/CE (2014/30/UE)

2006/95/CE (2014/35/UE)



Directive RAEE 2012/19/UE

Controls description

A display

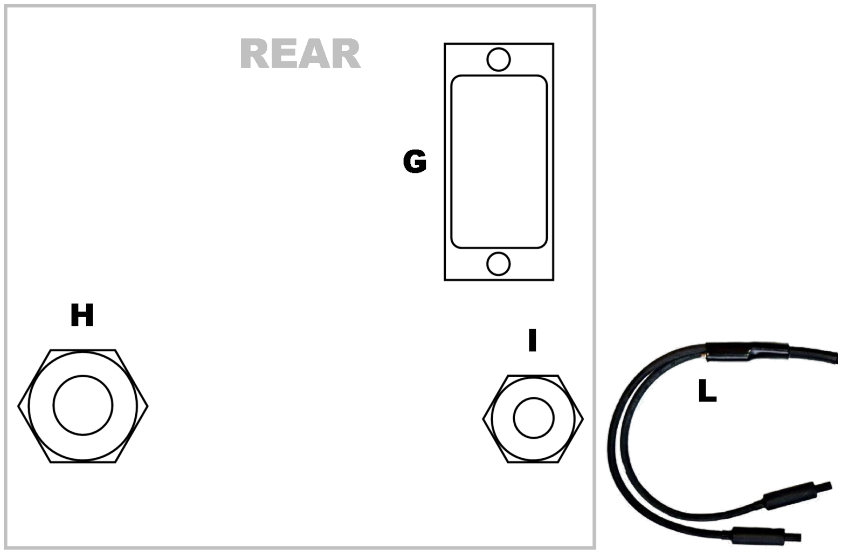
B button **RESET**

C button "**–**" for selection and alphabetic characters

D button "**+**" for selection and alphabetic characters

E button **VALID**

F USB port



G switch on / off

H secondary cable exit

I primary supply

L external temperature sensor (on welding cable)

General notes

The unit **EURO MIDI 400** is a **polyvalent electrofusion unit** to weld polyethylene electrofusion fittings for the transport of under pressure fluids suitable for fittings of any brand up to diameter 400 mm, furnished with bar code label Interleaved 2.5 containing the welding parameters with output voltage ≤ 48 Volt and with 26 and 40 traceability characters.

Claims are not accepted for defects on electrofusion fitting weldings with different characteristics than those recommended.

Special protection devices preserve the machine from over- and under-voltages in a range from 195 V to 265 V.

The welding voltage to the connectors is less than 50 V. This allows the operator to weld in safety according to the Italian Law D.Lgs. 81/2008 even in places by high risk of electrocution.

The clock/calendar function on the machine works even when the machine is switched off, thanks to a 5-years term buffer-battery.

The welding parameters setting can be carried out in three different ways:

- automatic, reading the bar code by means of the scanner supplied with the ef unit,
- manual setting of numerical bar code sequence (operation without scanner),
- manual setting of welding time and supply voltage (operation without scanner).

Electrofusion welding unit **EURO MIDI 400** automatically adapts the length of the welding cycle time in connection with the ambient temperature by applying the adjustment coefficients acquired with the bar code.

The unit **EURO MIDI 400** is provided with a USB/host to allow the stored data transfer relative to the carried-out single welding cycles in pdf extension and allows the printing through a PC.

Some operations are confirmed by an acoustic signal whose loudness is less than 70 dB(A). The “ERROR” messages are followed by an intermittent acoustic signal.

The electrofusion jointing must be only carried out by qualified operators, according to the standard UNI 10521. The equipment is not able to verify neither the preparation operations (scraping, cleaning, aligning, etc), nor the jointing quality.

After 24 months from purchase, the welding unit will display the following message “MAINTENANCE REQUIRED UNI 10566 STANDARD”. This message will appear the first time after 24 months from FIRST ELECTROFUSION WELDING carried out.

Send the unit to EUROSTANDARD S.p.A. that will submit it to the periodic biennal overhaul. Afterwards the message will appear after 24 months from each following overhaul.

For the weldability of EUROSTANDARD fittings, please refer to the manual “TECHNICAL DATA” – updated edition.

Use in safety

The unit **EURO MIDI 400** is manufactured according to the safety standards established from the regulations in force.

Do not use the control unit in case of evident breakdown or tampering of the supply cables.

Feed the equipment only with 230 V single-phase voltage at 50/60 Hz frequency. Absolutely avoid to use power generators in direct or rectified current.

According to the fitting type to be welded, the required power is generally responding to the following values:

TYPE/DIAMETER	**POWER GENERATOR (kVA)**
Electrofusion fittings under d400 mm.	5,0

Anyway it is necessary to refer to the instructions of the manufacturer of the electrofusion fitting.

We recommend to use good generator producing harmonic distorsions of the current within 20%.

Extensions are admitted only to the primary cable, verifying relative integrity and checking the connection plugs are in good conditions and in accordance with the standards.

In order to avoid remarkable voltage drops that could damage the good result of the welding cycle, use extension cables with the following sections:

- 4,0 mm^2 for lengths up to 10 m
- 6,0 mm^2 for lengths up to 30 m

Stock the unit in its packing in places with temperatures between -10°C and +50°C. During transport as well on site, be careful to protect the unit from possible bumps which can damage the unit. Do not move the machine dragging it through the cables. The unit can be cleaned using a cloth previously drenched with a normal detergent. Do not use acid or corrosive products.

Do not use the unit in the trench, but place it close to it allowing that the welding cables can reach the electrofusion fitting. The regulations D.Lgs. 81/2008 establishes the conditions of "job in emergency" to use the machine in the trench directly.

Periodically check the good conditions of the terminal connections and the electric contacts to guarantee the best power transmission.

For emergency stop, turn off the power button (**G**).

To interrupt a welding cycle, press the **RESET** button; restore the control unit by pressing again the **RESET** button.

Maintenance and overhaul

The unit do not need any maintenance of the internal components. Biennial overhaul of the welding unit is recommended; this will be remarked by an automatic message which will appear on the display.

Assistance

The technical assistance must be carried out by EUROSTANDARD S.p.A. or by authorized Assistance Centers. Every assistance support must be required to Eurostandard mentioning the serial number of the unit written in al label on the back.

Warranty

The unit has a twelve (12) months warranty from the date of the original purchase to the customer (invoice date), as far as faults due to production defects.

The warranty is not applied in case of incorrect use of the unit or if it has been tampered with.

The warranty doesn’t cover breakage due to falls or transport damages, or any other defect not connected to the manufacturing of the unit.

The warranty doesn’t cover wear and tear of the equipment components: plug and cables for power supply and secondary plug for the fitting connection.

In case of under guarantee intervention, the freight costs are at the customer charge.

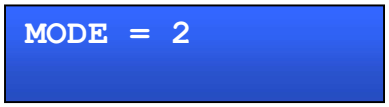
Use of welding unit

The electrofusion unit **EURO MIDI 400** can work with 3 different Operation Methods, which distinguish one each other for the quantity of information which can be set by the operator.

According to the selected Operation Method, the information that can be generally set up are: the operator code, the site code, other additional information, the method for welding parameters setting, the welding parameters, the traceability data of pipes and fittings, the confirmation of correct scraping and cleaning, the confirmation of correct connection/aligning of the elements.

To select the wanted Operation Method, proceed in the following way:

Switch on the ef unit: when appears the displayed message, press the button **VALID**, keeping them pressed up to a second acoustic signal which allows to enter the select mode.



Select the Operation Method (MODE 1, MODE 2 or MODE 3) by pressing the buttons "**+**" and "**-**" and then confirm the choice with button **VALID**.

Operation METHOD 1

This is the most complete method.

With METHOD 1 it is possible to store the following information: OPERATOR CODE, SITE CODE, WELDING PARAMETERS and TRACEABILITY CODE FOR THE FITTING AND THE PIPES.

With this method it is possible to set the parameters **automatically through the scanner, or manually without the scanner** (option to be used only when the scanner is not working correctly or when the bar code is damaged).

Operation METHOD 2

This is the pre-set method for the ef unit at purchase moment.

With METHOD 2 it is possible to store the following information: OPERATOR CODE, SITE CODE, WELDING PARAMETERS.

With this method it is possible to set the parameters **automatically through the scanner, or manually without scanner** (option to be used only when the scanner is not working correctly or when the bar code is damaged).

Operation METHOD 3

With method 3 it is possible to store the following information: WELDING PARAMETERS.

With this method it is possible to set the parameters **automatically through the scanner, or manually without scanner** (option to be used only when the scanner is not working correctly or when the bar code is damaged).

Use with Operation Method 1

With Operation Method 1, the working of the unit is based on the Operation Method 2, in addition the traceability of the fitting to be welded with the further screens here described, if chosen the setting method “automatic” or “insert code”.

Read the traceability bar code applied on the fitting using the scanner. Field not required.
The scanner must be kept very close from the bar code and it works by pressing the button on the handle, directing the ray towards the bar code.
Temporary message lasting 20 seconds.

As above, with reference to the traceability bar code applied to the first pipe. Field not required.
Temporary message lasting 20 seconds.

As above, with reference to the traceability bar code applied on the second pipe. Field not required.
Temporary message lasting 20 sec

From now on, the working of the electrofusion welding unit is exactly corresponding to Operation Method 2.

Use with Operation Method 2

Preliminary operation

At switch-on of the unit, on the display appear in sequence the following operating messages:

EURO MIDI 400 Ver. 1.01	Temporary message lasting 3 seconds Information on the welding unit type and version of the installed software.
50,0 Hz 230 V	Temporary message lasting 3 seconds Make sure that the frequency is between 45 and 65 Hz and the power supply voltage between 195 and 265 V.
Good Morning(UK)	Temporary message lasting 3 seconds The unit is programmed to dialogue in 7 different languages: Italian (I), English (UK), French (F), Spanish (E), German (D), Polish (P) and Portuguese (PT). It is possible to select the language by pressing the buttons “+” and “-”.

MAINTENANCE REQUIRED	The present message appears 24 months after the first EF welding carried out, and it is according to standard UNI 10566. Afterwards, the message will re-appear after 24 months from each subsequent overhaul. As soon as possible send the unit back to Eurostandard for all checks foreseen by the above-mentioned standard. It is possible to continue the use by pressing the button **RESET**.
SERIAL NUMBER "D18-001 "	Temporary message lasting 3 seconds Information on the serial number of the unit.
dd/mm/yy HH:mm	Temporary message lasting 3 seconds Information on the current date and hour. Press either the "**+**" or "**-**" button to enable editing function. Press the **VALID** button to confirm.
OPERATOR ----------	Temporary message lasting 3 seconds Optional information on the operator who will carry out the welding. In order to set the operator code, select the characters by pressing "**+**" and "**-**" and confirm the choice by pressing the button **VALID**. The alphanumeric characters are available. *N.B. The operator code is memorized on the welding unit until it is not changed.*

PLACE "--------------"	Temporary message lasting 3 seconds Optional information relative to the site where the welding is carried out. In order to set the site code, select the characters through the buttons "**+**" and "**-**" and confirm the choice by pressing the button **VALID**. The alphanumeric characters are available. *N.B. The site code is memorized on the welding unit till is not changed.*

Working with setting method "automatic with scanner"

READ DATA WELDING	Read the bar code containing the welding parameters through the scanner. The scanner must be kept very close from the bar code and works by pressing the button on the handle, directing the ray towards the bar code.
SCRAPING/CLEAN? YES=VALID	Confirm the correct performing of scraping and cleaning operations of the elements to be welded by pressing the button **VALID**.

ASSEMBLY? YES=VALID	Confirm the correct connection/alignment of the elements to be welded by pressing the button **VALID**.
V:xx xxxs TRADEM YES=VALID	Summarizing screen of the acquired welding parameters. The first line is scrolling. Check the exactness of the displayed information. If the control is positive, proceed by pressing the button **VALID**. On the contrary, interrupt the operation by pressing the button **RESET** (the unit returns to the screen READ DATA WELDING).
VALUE OHM OK	The unit is reading and verifying the ohmic value of the resistance of the ef fitting and afterwards is comparing with the limit of the value added on the bar code. Temporary message lasting 3 seconds The unit starts the voltage/current supply to the fitting.

During the welding cycle, on the display appear the following information:

- welding voltage (in Volt),
- total welding time (in seconds) that has to be reached, calculated by the unit according to the measured ambient temperature,
- instant welding time (in seconds) with progressive increase during the cycle,
- progressive number of the memorized welding by the unit (the numbering restarts from 1 after each zeroing of the memory),
- ambient temperature at the beginning of the welding cycle (°C).

Message which appears at the end of the welding cycle, together with an intermittent acoustic signal, when there are no anomalies.
Differently, appears the message **ERROR**, together with an intermittent acoustic signal, followed by the identification error number and by a complete description. The first line is scrolling.
For the understanding of the errors, see the list at page 27.

Cooling time mn:"00"	Temporary message lasting 3 seconds Information on the cooling time foreseen by the manufacturer of the welded fitting. The message only appears when the cooling time is foreseen on the bar code applied on the fitting. Before removing the joint from the aligning clamp, wait for the cooling time. For electrofusion saddles, wait another 20 minutes before boring.
END DISCONNECT PUSH VALID	Disconnect the cables and press the button **VALID**.

Working with setting method "insert code" without scanner

24 DIGIT BARCODE YES=VALID NO=+/-	Confirm by pressing the button **VALID**.

"000000000000" "000000000000"	Insert the numerical sequence of 24 digits which form the bar code containing the welding parameters; for each position, select the number through the buttons "**+**" and "**-**" and confirm by pressing the button **VALID**.
352118150328 221595045747	The 24 digits shown below the barcode have been inserted.
SCRAPING/CLEAN? YES=VALID	Confirm the correct performing of scraping and cleaning operations of the elements to be welded by pressing the button **VALID**.
ASSEMBLY? YES=VALID	Confirm the correct connection/alignment of the elements to be welded by pressing the button **VALID**.
V:xx xxxs TRADEM YES=VALID	Summarizing screen of the acquired welding parameters. The first line is scrolling. Check the exactness of the displayed information. If the control is positive, proceed by pressing the button **VALID**. On the contrary, interrupt the operation by pressing the button **RESET** (the unit returns to the screen READ DATA WELDING).

The unit is reading and verifying the ohmic value of the resistance of the ef fitting and afterwards is comparing with the limit of the value reported on the bar code.
Temporary message lasting 3 sec
The unit starts the supply of the voltage/current to the fitting.

During the welding cycle, on the display appear the following information:

- welding voltage (in Volt),
- total welding time (in seconds) that has to be reached, calculated by the unit according to the measured ambient temperature,
- instant welding time (in seconds) with progressive increase during the cycle,
- progressive number of the memorized welding by the unit (the numbering restarts from 1 after each zeroing of the memory),
- ambient temperature at the beginning of the welding (°C).

CYCLE OK	Message which appears at the end of the welding cycle, together with an intermittent acoustic signal, when there are no anomalies. Differently, appears the message **ERROR**, together with an intermittent acoustic signal, followed by the identification error number and by a complete description. The first line is scrolling. For the understanding of the errors, see the list at page 27.
Cooling time mn:"00"	Temporary message lasting 3 seconds Information on the cooling time foreseen by the manufacturer of the welded fitting. The message only appears when the cooling time is foreseen on the bar code applied on the fitting. Before removing the joint from the aligning clamp, wait for the cooling time. For electrofusion saddles, wait another 20 minutes before boring.
END DISCONNECT PUSH VALID	Disconnect the cables and press the button **VALID**.

Working with setting method “insert parameters” without scanner

Confirm by pressing the buttons “**+**” or “**-**”.

Optional field.
Enter 4-character identification number of the electrofusion fitting manufacturer. For example EURO for Eurostandard; for each location, select letters using the "**+**" and "**-**" and confirm by pressing the **VALID** button.

Optional field.
The message **TYPE** is flashing: select through the buttons “**+**” and “**-**” the type of the fitting. To consult the type of fittings see page 29.
Confirm by pressing the button **VALID**.

Optional field.
The message **DIAM** is flashing: select through the buttons “**+**” and “**-**” the diameter of the fitting.
Confirm by pressing the button **VALID**.

TYPE=I DIAM= 20 V.= xx SEC= 0	The message **V.** (volt) is flashing: select through the buttons "**+**" and "**-**" the welding voltage of the fitting as indicated by the manufacturer. Confirm by pressing the button **VALID**.
TYPE=I DIAM= 20 V.= xx SEC= 0	The message **SEC** (seconds) is flashing: select through the buttons "**+**" and "**-**" the welding time of the fitting as indicated by the manufacturer. Confirm by pressing the button **VALID**.
CORRECTION TEMPERATURE "00"	It is possible to enter the time/temperature correction values. In the welding bar code the position numbers **22** and **23** show the dependency **TIME / TEMPERATURE** of the welding fitting. Temporary message lasting 20 seconds With the "**+**" button select the first number confirming with **VALID**, repeat for the second number always confirming with **VALID** (7 and 5 in the example below). Example:  4813162811033820051507**5**6

Cooling time mn:"00"	Temporary message lasting 20 seconds Information on the cooling time foreseen by the manufacturer of the welded fitting. Optional field. Before removing the joint from the aligning clamp, wait for the cooling time. For electrofusion saddles, wait another 20 minutes before boring.
SCRAPING/CLEAN? YES=VALID	Confirm the correct performing of the operations of scraping and cleaning of the elements to be welded by pressing the button **VALID**.
ASSEMBLY? YES=VALID	Confirm the correct positioning/connection of the elements to be welded by pressing the button **VALID**.
V:xx xxxs TRADEM YES=VALID	Summarizing screen of the set welding parameters. The first line is scrolling. Check the exactness of the displayed information. If the control is positive, proceed by pressing the button **VALID**. On the contrary, interrupt the operation by pressing the button **RESET** (the unit returns to the screen READ DATA WELDING).

During the welding cycle, on the display appear the following information:

- welding voltage (in Volt),
- total welding time (in seconds) that has to be reached, calculated by the unit according to the measured ambient temperature,
- instant welding time (in seconds) with progressive increase during the cycle,
- progressive number of the memorized welding by the unit (the numbering restarts from 1 after each zeroing of the memory),
- ambient temperature at the beginning of the welding (°C).

Message which appears at the end of the welding cycle, together with an intermittent acoustic signal, when there are no anomalies.
Differently, appears the message **ERROR**, together with an intermittent acoustic signal, followed by the identification error number and by a complete description. The first line is scrolling.
For the understanding of the errors, see the list at page 27.

Disconnect the cables and press the button **VALID**.

Use with Operation Method 3

With Operation Method 3 the working of the unit is based on the Operation Method 2, with the only reading READ DATA WELDING.

With this method it is possible to set the parameters automatically through the scanner, or manually without scanner (option to be used only when the scanner is not working correctly or when the bar code is damaged).

Error messages

Here below error messages displayed on the welding unit **EURO MIDI 400** and all inspections necessary to restore its working, by pressing the button **RESET**.

MESSAGE	
ERROR 2: MIN AMBIENT TEMPERATURE	The ambient temperature is below the minimum admitted ambient temperature for the correct electrofusion welding (- 10 ° C).
ERROR 2: MAX AMBIENT TEMPERATURE	The ambient temperature is higher than the maximum admitted ambient temperature for the correct electrofusion welding (+ 45 ° C)

ERROR 3: RESISTANCE FITTING OUT OF RANGE	For fittings whose bar code shows the ohmic resistance value, the welding unit measured a value that differs from the one stated. Check the status of the connectors. Never leave the electrofusion fitting under the sunlight during the summer season.
ERROR 4: SHORT CIRCUIT	The maximum expected electrical power has been exceeded during the welding operation. Check the integrity of welding cables
ERROR 5: OPEN CIRCUIT	The secondary circuit is open. Check the connection & terminal connectors
ERROR 6: ADJUSTMENT V	During the welding cycle it is not possible to maintain tolerance between ± 2%. Check the power source and extension cables
ERROR 12: INTERNAL OVER TEMPERATURE	The maximum temperature inside the welding machine is reached. It may be due to too frequent welding, the use of large diameter sockets or exposure to high temperature ambient.
ERROR 13: MAIN FALL	Interruption of the main voltage to the machine during the welding cycle.
ERROR 14: MEMORY EMPTY	No data stored. Serial data transfer is not possible.

ERROR 22: INTERRUPTION	The welding cycle has been interrupted by the operator by pressing the "STOP" button.

ERROR 23: POWER > -15%	The power supply voltage of the main line is less than the minimum admitted value.
ERROR 23: POWER > +15%	The power supply voltage of the main line exceeds the maximum admintted value.
WRONG DATA	Anomaly detected in the memory historical data archive.
DANGER OUTPUT VOLTAGE TURN OFF IMMEDIATELY	A dangerous voltage at welding terminals is detected. Immediately contact the service center.

Symbol codes

I	SOCKET
†	SPIGOT/TAPPING SADDLE
T	90° TEE
C	45° and 90° ELBOW
Y	REDUCER

Full internal memory

THE INTERNAL MEMORY OF EURO MIDI 400 IS OF 1000 WELDING CYCLES.

A warning message of how many cycles are still available and a reminder to transfer the data appears 50 cycles before the available space in the memory is filled.

In case the available memory is full ALL DATA EXCEEDING THE 1000 CYCLES **WILL NOT BE STORED**.

At the end of the welding ,the message of full memory will be displayed.
Confirm by pressing the button **VALID**.

Proceed with the data transfer using a USB memory stick.
Confirm by pressing the button **VALID**.

The available memory space is full.

DELAY MEMORY ! TILL REG.:	The data of next weldings **ARE NOT MEMORIZED**. The welding machine is normally operating.

Welding data transfer with USB

The **EURO MIDI 400** unit has been designed with the possibility of transferring the stored data at any time, through the USB port to an external storage device (flash drive, memory stick).

EURO MIDI 400 Ver. 1.01	Switch on the unit and make sure that the frequency is between 45 and 65 Hz and the power supply voltage between 195 and 265 V. Temporary message lasting 3 seconds

INSERT THE USB KEY IN THE SUITABLE CONNECTOR
See command description at page 4 **(F = USB PORT)**

50,0 Hz 230 V	Temporary message lasting 3 seconds

Good Morning(UK)	Temporary message lasting 3 seconds
SERIAL NUMBER "D18-001 "	Temporary message lasting 3 seconds
PRINTING YES=VALID	Temporary message lasting 20 seconds Press the **VALID** button to enable the transfer function. Wait for the data transfer to the USB memory stick.
OVERWRITE ?	This message appears if there are welding data already stored in the USB memory stick. Press the button **VALID**.
PRINTING	The stored data are transferred to the USB memory stick.

DONE	The data transfer has been successfully carried out.
ERASE? YES=VALID	Confirm the data erase of the internal memory of the welding unit by pressing the **VALID** button (Recommended). The operation is carried out with a long beep. To exit without erasing the internal memory of the welding unit, press **RESET**.

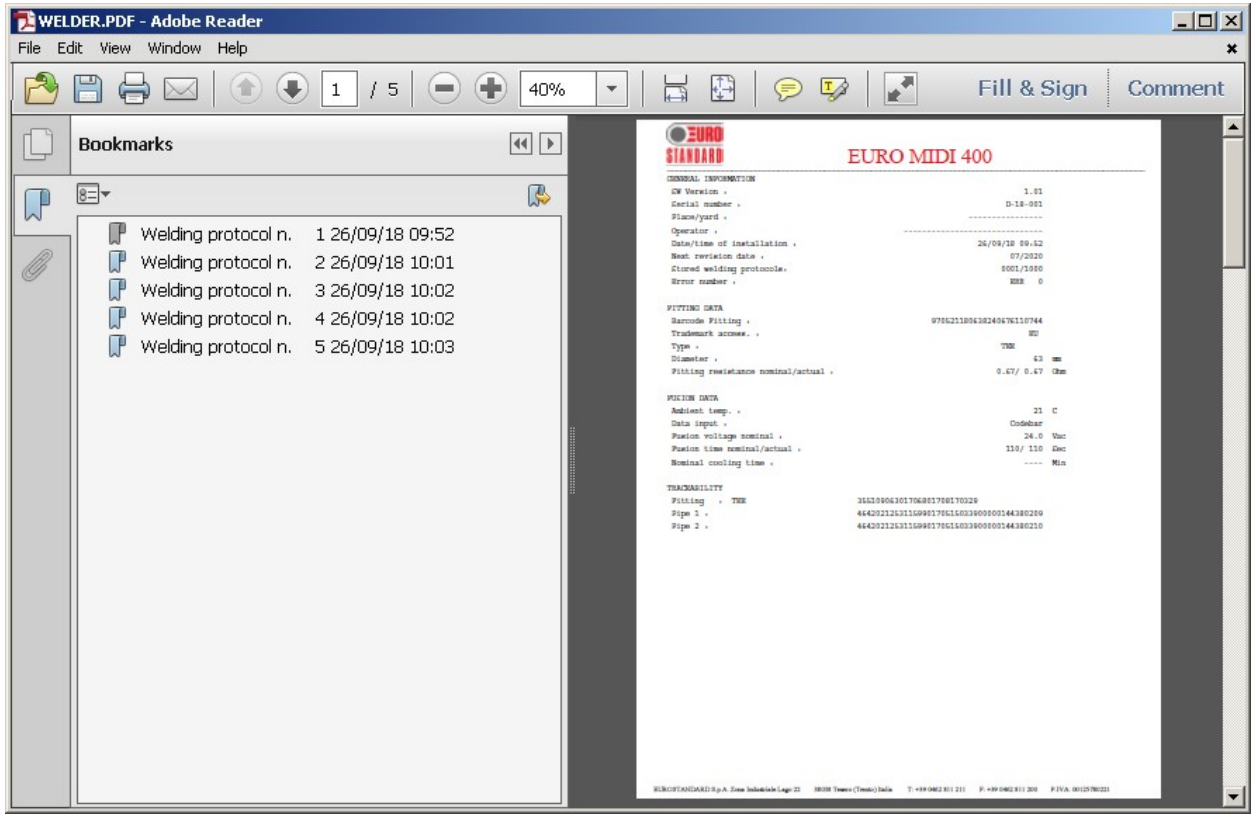
Welding data printing in PDF

A “welding protocol” in PDF format is created for each welding cycle.

Download the content of the USB KEY (named WELDER.pdf) on a PC.

Open the file and select the number of the desired “welding protocol” and print it.

Example:


WELDER.PDF - Adobe Reader
File Edit View Window Help
1 / 5
40%
Fill & Sign
Comment
Bookmarks
Welding protocol n. 1 26/09/18 09:52
Welding protocol n. 2 26/09/18 10:01
Welding protocol n. 3 26/09/18 10:02
Welding protocol n. 4 26/09/18 10:02
Welding protocol n. 5 26/09/18 10:03
EURO STANDARD
EURO MIDI 400

EURO MIDI 400

CONFORMITY DECLARATION

Eurostandard S.p.A.
Zona Industriale Lago
38038 Tesero (TN) – Italiy

STATES

that the polyvalent electrofusion control unit
mod. **EURO MIDI 400**
has been manufactured in accordance with:

- UNI 10566
- ISO 12176-2
- CEI 64-8
- 2004/108/CE (2014/30/UE)
- 2006/95/CE (2014/35/UE)
- CEI EN 60335-1 e CEI EN 60335-2-45

This declaration is not valid in case of
any change to the equipment
made without Eurostandard's authorization.

GUARANTEE CERTIFICATE

*This guarantee certificate is valid only for a period of **12 months** from the sale date to the end customer and it covers the intervention due to manufacture defects.*
The breakages against falls or transport damages and all what ever could not be absorbed by real and recognizable manufacture defects, are not under guarantee.
The guarantee is not applicable to all the cases of incorrect uses or to any equipment tampering.
Transport expenses are on the end customer's charge.

This certificate has to be faxed or sent together with the machine directly to Eurostandard S.p.A. in every case of under guarantee intervention request. It has also to be completed of all the required parts and accompanied by a document copy which could confirm the real sale to the end customer (Bill of Transport, Invoice).

Before shipment please advise:
Eurostandard Customer Service
tel. +39.(0)462.811211
fax +39.(0)462.811200
email: servizioclienti@eurostandard.it

TYPE: EURO MIDI 400 ..... **SERIAL NUMBER:** .....
DISTRIBUTOR: .....
END USER: .....
PURCHASING DATE: .....

notes

notes