

# FRIAMAT 6 110V Electrofusion Unit

Universal electrofusion unit with documentation,  
traceability function and bluetooth interface



## Technical specifications

- Bluetooth
- Full documentation
- Full traceability functions
- 20,000 fusion protocols
- Output via USB interface or app (smart phone)
- Toroidal core technology with active cooling
- 4.3" colour TFT display
- Comes with mini scanner as standard
- Optional accessory 1D / 2D scanner
- Extra long fusion cable (4 m)
- Extra long power cable (5 m)
- Weight 18.95 kg

## Electrofusion Unit dimensions

| Part no. | Weight (kg) | Box quantity |
|----------|-------------|--------------|
| FE611129 | 18.95       | 1            |



FRIAMAT 6 110V  
Electrofusion Unit

# Product data sheet

## FRIAMAT 6 110V



### Technical data\*

|                                    |                                                                                                |
|------------------------------------|------------------------------------------------------------------------------------------------|
| Type of device                     | Universal electrofusion unit with documentation, traceability function and bluetooth interface |
| Electrofusion Unit                 | FE611129                                                                                       |
| Optional accessory 1D / 2D scanner | FE624006                                                                                       |
| Maximum diameter                   | Up to d 1200 3**                                                                               |
| Input voltage section              | AC 95 V to 138 V                                                                               |
| Frequency range                    | 44 Hz to 66 Hz                                                                                 |
| Current consumption                | AC 30 A maximum                                                                                |
| Power                              | 3.5 kW                                                                                         |
| Unit fuse                          | 16 A sluggish                                                                                  |
| Welding tension                    | 8 to 48 V                                                                                      |
| Output current                     | Maximum 110 A                                                                                  |
| Welding current monitoring         | Short circuit and interruption                                                                 |
| Barcode type                       | 1D-Code 2/5 interleaved, Code 128; 2D-Code (QR; Aztec; Data Matrix) according to ISO 12176-5   |
| Interface                          | USB / Bluetooth® Low Energy V4.2 (CE, FCC, IC certified)                                       |
| Documentation of fusion data       | Yes                                                                                            |
| Documentation of traceability data | Yes                                                                                            |
| Data memory                        | 20,000 protocols                                                                               |
| Log format                         | PDF / CSV / JSON                                                                               |
| Manual barcode emergency input     | Yes                                                                                            |
| FRIAMAT preCHECK function          | Yes                                                                                            |
| Software update via USB interface  | Yes                                                                                            |
| Fusion-Pass                        | Optional (Order no. FE623100)                                                                  |
| Start/stop pass for remote control | Optional (Order no. FE624003)                                                                  |
| Working temperature range          | -20 °C to +50 °C                                                                               |
| Connection cable                   | 5 m with contour plug                                                                          |
| Fusion cable                       | 4 m with connection plug Ø 4 mm                                                                |
| Weight                             | 18.95 kg                                                                                       |
| Dimensions W x D x H               | 260 x 500 x 340 mm                                                                             |
| Casing                             | Protection category IP 54 / protection category I                                              |
| Approval/quality                   | CE, ISO 9001, WEEE-Reg. no. DE 49130851, RoHS, REACH                                           |
| Accessories                        | Operating instructions, transport box                                                          |

\* Specifications subject to change

\*\* FRIALEN safety fittings up to 900 mm can be fused in the entire working temperature range of minus 20 °C to 50 °C. Fittings from other manufacturers can be accommodated up to 1200 mm diameter and potentially larger. However, it is essential to verify the specific power requirements of each fitting at the intended processing temperature with the respective manufacturer before welding.

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