

FRIAMAT prime eco

Fusion unit with documentation function

Powerful universal fusion unit FRIAMAT prime eco

- Bluetooth
- Full documentation
- Full traceability functions
- 20,000 fusion protocols
- Output via USB interface or app (smart phone)
- Supervisor function
- State-of-the-art toroidal core technology with active cooling.
- Bright colour TFT display
- With mini scanner, reader wand or 1D/2D scanner (2D barcodes according to ISO 12176-5)
- Extra long fusion cable (4 m)
- Extra long power cable (5 m)
- Weight approx. 18.0 kg

Note:

Possibility of updating the FRIAMAT software via the USB interface by the user.



Reference	Design	BX	Weight kg
611124	With mini scanner	1	18,000
613124	With reader wand	1	18,000
614124	With 1D/2D scanner	1	18,000

Technical data 1)	FRIAMAT prime eco 2)
Type of device	Universal electrofusion unit with traceability and documentation function and Bluetooth interface
Model with mini scanner	Order no. 611124
Model with reader wand	Order no. 613124

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Model with 1D/2D scanner	Order no. 614124
Maximum diameter	Up to d 1200 ³⁾
Input voltage section	AC 190 V – 250 V
Frequency range	44 Hz ... 66 Hz
Current consumption	AC 16 A maximum
Power	3.5 kW
Unit fuse	16 A sluggish
Welding tension	8 – 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 / FRIATRACE
Manual emergency barcode input	Yes
FRIAMAT preCHECK function	Yes
Software update via USB interface	-
Fusion-Pass	Optional (Order no. 623100)
Supervisor-Pass	Yes
Start/stop pass for remote control	Optional (Order no. 624003)
Working temperature range	-20 °C ... +50 °C
Language variants	23
Connection cable	5 m with contour plug
Fusion cable	4 m with connection plug Ø 4 mm
Weight	approx. 18 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

¹⁾ Subject to technical modifications.

²⁾ From year of construction Q2/2021

³⁾ With the FRIAMAT prime eco, FRIALEN and FRIAFIT safety fittings up to d 900 can be fused in the entire working temperature range of -20 °C +50 °C.

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Utilising processing fittings from other manufacturers is possible even up to d 1200 and possibly larger. However, the specific power requirement of the fitting at the prevailing processing temperature must always be clarified beforehand with the fitting manufacturer.

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- High performance due to innovative toroidal transformer technology with flow-optimized, active cooling.
- High-resolution, extremely bright 4.3" TFT color display. Documentation of fusion and traceability data. Memory space for up to 20,000 fusion logs. CSV or PDF file or FRIATRACE format output to standard USB stick.
- With mini-scanner, reader wand or new 1D/2D scanner for reading 2D barcodes according to ISO 12176-5, Adapter bag, language selection, adjustable buzzer volume, manual emergency entry. Extra-long power cable (4 m) and extra-long fusion cable (5 m). Weight approx 18 kg.
- Continuous monitoring of the entire fusion process and all device functions.
- With FRIAMAT preCHECK function: The most advanced way to fuse with foresight. The FRIAMAT automatically determines whether the next fusion can be performed completely to the end.
- The user himself can install software updates via USB interface.
- **Integrated Bluetooth function for communication with the FRIAMAT App. At present, the use of the Bluetooth function is only permitted in the following countries:** Australia - Austria - Belgium - Bulgaria - Croatia - Cyprus - Czech Republic - Denmark - Estonia - Finland - France - Germany - Great Britain - Greece - Hungary - Iceland - Israel - Ireland - Italy - Latvia - Liechtenstein - Lithuania - Luxembourg - Malta - the Netherlands - Norway - Poland - Portugal - Romania - Serbi - Slovakia- - Slovenia - Spain - Sweden - Switzerland - New Zealand