

# FRIAMAT 7 prime

## Fusion unit with documentation function

Powerful universal fusion unit FRIAMAT 7 prime

- Bluetooth
- Full documentation
- Full traceability functions
- 20,000 fusion protocols
- Output via USB interface or app (smart phone)
- Supervisor function
- State-of-the-art converter 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. 12.8 kg

### Note:

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



Reference	Design	BX	Weight kg
611134	With mini scanner	1	12,800
613134	With reader wand	1	12,800
614134	With 1D/2D scanner	1	12,800

Technical data 1)	FRIAMAT 7 prime
Type of device	Universal fusion unit with documentation and traceability function and Bluetooth interface
Model with mini scanner	Order no. 611134
Model with reader wand	Order no. 613134

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## Fusion unit with documentation function

Model with 1D/2D scanner	Order no. 614134
Maximum diameter	Up to d 1200 2)
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	Yes
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. 12.8 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
Accessories	Operating instructions, transport box

<sup>1)</sup> Subject to technical modifications.

<sup>2)</sup> With FRIAMAT 7 prime, FRIALEN and FRIAFIT safety fittings up to d 900 can be fused in the entire working temperature range from -20 °C to +50 °C.

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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## Fusion unit with documentation function

- Powerful electrofusion unit with state-of-the-art converter technology and 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.
- Supervisor function for individualization of device functions and presetting of operating steps.
- 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 12,8 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:** Austria - Belgium - Bulgaria - Croatia - Cyprus - Czech Republic - Denmark - Estonia - Finland - France - Germany - Great Britain - Greece - Hongkong - Hungary - Iceland - Ireland - Italy - Latvia - Liechtenstein - Lithuania - Luxembourg - Malta - the Netherlands - Norway - Poland - Portugal - Romania - Slovakia - Slovenia - Spain - Sweden - Switzerland