



FRIAMAT Prime and FRIAMAT Basic

The 7th generation



Lighter, stronger, easier

The new FRIAMAT generation meets your needs even better

We have modernised our tried-and-tested FRIAMAT fusion units to the latest state of the art and made them "fit for the future" in order to simplify your work – in every respect. Starting with the unit's low weight and high performance to easier, simpler operation and documentation.

FRIAMAT Basic is our successful basic model, which we have thoroughly revised: flow-optimised active cooling, robust housing, high-quality graphic display, intuitive user interface and much more.

FRIAMAT Prime additionally opens up a wealth of digital functions for documentation and extended traceability, made possible by the new Bluetooth interface in combination with the FRIAMAT app. With the optional 1D/2D scanner, the new FRIAMAT is also ready to read and process 2D barcodes according to ISO 12176-5 (Draft). This enables you to capture all information required for fusion including traceability data and extended product information with just one scan.



We have digitised fusion for you

Comfortable control and documentation by smartphone

It has never been easier to document fusion process data and other relevant information. Using the new Bluetooth interface, you pair the FRIAMAT Prime with the FRIAMAT app on your smartphone. You can then simply read in fusion and traceability barcodes or control the fusion process easily and comfortably.



Why FRIAMAT?

Powerful and economical in use

- State-of-the-art converter technology with flow-optimised active cooling reduces downtimes and process times
- Future-proof microcontroller technology
- Low weight
- Robust housing design for tough site use
- Longer cables increase mobility on the building site
- Long-term usability through coordinated equipment service and spare parts availability
- Software updates via USB port
- Delivery in robust transport box included



Easy and comfortable to use

- High-resolution, extremely bright 4.3" TFT colour display guarantees best readability
- Intuitive user interface with clear menu structure
- With FRIAMAT preCHECK function: the FRIAMAT determines automatically whether the next fusion weld can be performed completely to the end

Easy documentation and data management (FRIAMAT Prime)

- Recording and documentation of fusion and traceability data as well as extended installation information, such as order number and welder
- Up to 20,000 fusion logs can be stored in the unit
- Output as CSV or PDF file or in FRIATRACE format via standard USB stick
- Supervisor function for individualisation of device functions and specification of operating sequences
- Bluetooth interface for connection to the FRIAMAT app
- Optional 1D/2D scanner and thus ready for processing 2D barcodes according to ISO 12176-5 (Draft)



Why so difficult, make it easy!

FRIAMAT makes work on the construction site much easier

The fusion unit must adapt to the user, not the other way round. That is why we have developed FRIAMAT Prime and FRIAMAT Basic in such a way that they are extremely light and flexible in use on the building site. Their low weight and compact, robust design increase mobility. Thanks to the ergonomic handle, the unit can be carried comfortably. Simply tilt the unit to work better: the FRIAMAT is also ideally suited for this.

Comfortable operation

The extremely bright and high-contrast display is easy to read, in bright sunshine as well as on dark rainy days.

With the supervisor function, FRIAMAT Prime offers a further instrument to simplify and standardise processes on your building sites. You can set up the unit's functions individually and specify certain binding routines for operation.

Documentation made easy

With FRIAMAT Prime you can document all relevant information quickly and easily. Whether fusion, traceability or GPS data. Additional data on the building site can also be recorded and stored. You can enter data using the proven wand, a mini-scanner or manually via a virtual keyboard.

With the new, optional 1D/2D barcode scanner, the FRIAMAT is also ready to read 2D barcodes according to ISO 12176-5 (Draft). With just one scan (one scan fuse), you can capture all information required for fusion including traceability data and extended product information.

And it gets even easier:

Using the new Bluetooth interface, you can pair the FRIAMAT Prime with the FRIAMAT app, which also offers a scan function for barcodes. Many other useful functions are also available.



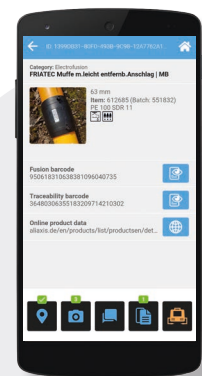
FRIAMAT app – everything under control!

We make your job easier

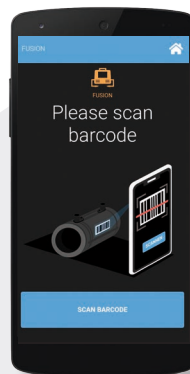
Turn your smartphone into the control centre for everything to do with fusion. Simply connect your FRIAMAT Prime unit to the FRIAMAT app via Bluetooth. You can then control the fusion process with your cell phone. The fusion process data is transferred automatically to the app. You can enter barcodes using the integrated barcode scanner.

Additional information such as traceability or GPS data can also be stored and managed. Add photos or comments? No problem any more. The documentation of your work results is easier than ever before. One e-mail suffices to send all data from the building site to the office.

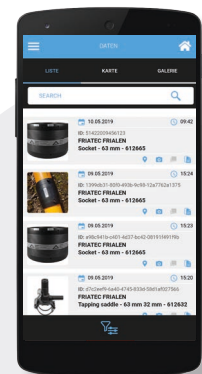
The FRIAMAT app is available free of charge for iOS and Android. It comes in several languages. No registration is required so that you can start immediately.



Detailed information on all products including geodata, photos and comments



Simplified fusion process through intuitive input



Product lists with extended information at a glance

- Control the FRIAMAT Prime fusion process comfortably
- Scan barcodes and display all information
- Enter process data and add geodata, photos and comments
- Mail and comprehensively document work results





FRIAMAT Prime and FRIAMAT Basic

The right answer to different demands

Your requirements determine our range. For this reason, we offer two different versions with identical basic performance features: FRIAMAT Prime and FRIAMAT Basic.

Technical details*	FRIAMAT Basic	FRIAMAT Prime
Unit type	Universal fusion unit without documentation function	Universal fusion unit with documentation and traceability function and Bluetooth interface
Version with mini-scanner	Order no. 611130	Order no. 611134
Version with reader wand	Order no. 613130	Order no. 613134
Version with 1D/2D scanner	Order no. 614130	Order no. 614134
Maximum diameter	To d 1200**	To d 1200**
Input voltage range	AC 190 V - 250 V	AC 190 V - 250 V
Frequency range	44 Hz ... 66 Hz	44 Hz ... 66 Hz
Input current	AC 16 A max.	AC 16 A max.
Power	3.5 kW	3.5 kW
Unit fuse	16 A slow acting	16 A slow blow
Fusion voltage	8 - 48 V	8 - 48 V
Output current	Max. 110 A	Max. 110 A
Fusion current monitor	Short circuit and open circuit	Short circuit and open circuit
Barcode type	1D: Code 2/5 interleaved 2D: ISO 12176-5 (Draft)	1D: Code 2/5 interleaved, Code 128 2D: ISO 12176-5 (Draft)
Interface	USB	USB / Bluetooth® Low Energy V4.2 (CE, FCC, IC certified)
Documentation of fusion and traceability data	No	Yes
Data memory	-	20,000 protocols
Log format	-	PDF / CSV / FRIATRACE
Manual barcode emergency entry	Yes	Yes
FRIAMAT preCHECK function	Yes	Yes
Software update via USB port	Yes	Yes
Operator pass	No	Optional (order no. 623100)
Supervisor pass	No	Yes
Start/Stop pass for remote control	Optional (order no. 624003)	Optional (order no. 624003)
Working temperature range	-20 °C ... +50 °C	-20 °C ... +50 °C
Languages	23*	23*
Power cable	5 m with shaped plug	5 m with shaped plug
Fusion cable	4 m with fitting connector, 4 mm diameter	4 m with fitting connector, 4 mm diameter
Weight	Approx 12.8 kg	Approx 12.8 kg
Dimensions W x D x H	260 x 500 x 340 mm	260 x 500 x 340 mm
Housing	Enclosure rating IP 54 / Protection class I	Enclosure rating IP 54 / Protection class I
Approval/quality	CE, ISO 9001, WEEE Reg. No. DE 49130851, RoHS	CE, ISO 9001, WEEE Reg. No. DE 49130851, RoHS
Accessories	Operating instructions, transport box	Operating instructions, transport box

* Specifications subject to change

** With FRIAMAT Basic and FRIAMAT 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. Use to process fittings from other manufacturers, even up to d 1200 and possibly larger, is fundamentally possible. However,

the specific power requirement of the fitting at the prevailing processing temperature must first be clarified with the fitting manufacturer.

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