






Technical Data*	FRIAMAT 7 Basic	FRIAMAT 7 Prime	FRIAMAT Basic eco	FRIAMAT Prime eco	FRIAMAT 6 110V
					
<b>Technology</b>	Converter technology with active cooling	Converter technology with active cooling	Toriodal transformer technology with active cooling	Toriodal transformer technology with active cooling	Toriodal transformer technology with active cooling
<b>Order no.</b>	611130 (version with 1D mini scanner) 614130 (version with 1D/2D scanner)	611134 (version with 1D mini scanner) 614134 (version with 1D/2D scanner)	611120 (version with 1D mini scanner) 614120 (version with 1D/2D scanner)	611124 (version with 1D mini scanner) 614124 (version with 1D/2D scanner)	611129 (version with 1D mini scanner) 614129 (version with 1D/2D scanner)
<b>Fusion range dimension</b>	at least d 1200	at least d 1200	at least d 1200	at least d 1200	at least d 1200
<b>Input voltage section/frequency range</b>	230V / 50Hz	230V / 50Hz	230V / 50Hz	230V / 50Hz	110V / 50Hz
<b>Power</b>	3,5 kW	3,5 kW	3,5 kW	3,5 kW	3,5 kW
<b>Fusion voltage</b>	8 – 48 V	8 – 48 V	8 – 48 V	8 – 48 V	8 – 48 V
<b>Output current</b>	maximum 110 A	maximum 110 A	maximum 110 A	maximum 110 A	maximum 110 A
<b>Barcode types</b>	1D : Code 2/5 interleaved 2D: ISO 12176-5	1D : Code 2/5 interleaved, Code 128 2D: ISO 12176-5	1D : Code 2/5 interleaved 2D: ISO 12176-5	1D : Code 2/5 interleaved, Code 128 2D: ISO 12176-5	1D : Code 2/5 interleaved, Code 128, ASTM F2897 2D: ISO 12176-5
<b>Interface</b>	USB	USB Bluetooth	USB	USB Bluetooth	USB Bluetooth
<b>Documentation of fusion data and traceability data</b>	-	yes	-	yes	yes
<b>Data memory</b>	-	20.000 logs	-	20.000 logs	20.000 logs
<b>Log format</b>	-	PDF / CSV	-	PDF / CSV	PDF / CSV
<b>FRIAMAT preCHECK function</b>	yes	yes	yes	yes	yes
<b>Software update</b>	via USB interface	via USB interface	via USB interface	via USB interface	via USB interface
<b>Operator pass</b>	-	Optional (Order no. 623100)	-	Optional (Order no. 623100)	Optional (Order no. 623100)
<b>Supervisor menu</b>	-	yes	-	yes	-
<b>Working temperature range</b>	-20 °C ... +50 °C	-20 °C ... +50 °C	-20 °C ... +50 °C	-20 °C ... +50 °C	-20 °C ... +50 °C
<b>Mains cable</b>	5 m with EU-plug*	5 m with EU-plug*	5 m with EU-plug*	5 m with EU-plug*	5 m with Twistlock 32A
<b>Fusion cable</b>	4 m with fusion connectors ø 4 mm	4 m with fusion connectors ø 4 mm	4 m with fusion connectors ø 4 mm	4 m with fusion connectors ø 4 mm	4 m with fusion connectors ø 4 mm
<b>Weight</b>	about 12,8 kg	about 12,8 kg	about 18 kg	about 18 kg	about 20 kg
<b>Dimensions D x W x H</b>	550 x 310 x 380 mm	551 x 310 x 380 mm	552 x 310 x 380 mm	553 x 310 x 380 mm	554 x 310 x 380 mm
<b>Languages</b>	23*	23*	23*	23*	3
<b>Casing</b>	Protection category IP 54 / protection class I	Protection category IP 54 / protection class I	Protection category IP 54 / protection class I	Protection category IP 54 / protection class I	Protection category IP 54 / protection class I
<b>Accessories</b>	transport box, operating instructions,	transport box, operating instructions,	transport box, operating instructions,	transport box, operating instructions,	transport box, operating instructions,
<b>Special transport case (optional)</b>	627601 (special plastic case with transport wheels)	627601 (special plastic case with transport wheels)	627601 (special plastic case with transport wheels)	627601 (special plastic case with transport wheels)	627601 (special plastic case with transport wheels)

\* Subject to technical modifications.

① Version with EU plug; other plug types on request

② With FRIAMAT, 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.

③ A 1D/2D scanner or smartphone with the WorkFlow app is required to read the 2D code ISO 1276-5

④ The Bluetooth function is not available for all countries.

Revision: 12.02.2026