



Operating instructions

2DSCAN 1D/2D handheld scanner



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1. About this document

1.1. Purpose of these instructions and target group

These instructions describe all the necessary work steps and precautions to ensure safe and correct handling and installation of the product.

These instructions are intended for the following target group:

- Trained fitters
- Owners

1.2. About these operating instructions

I INFO

- ▶ Read these operating instructions carefully before assembly and use.
 - ▶ Observe all applicable documents.
 - ▶ The operator must keep these operating instructions for the lifetime of the product.
 - ▶ Follow the described sequence of operations.
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1.3. Symbols used

The following marks and symbols are used in this document:

⚠ DANGER

This warning symbol describes an imminent danger.

- ▶ Failing to observe this will cause death or serious injury.

⚠ WARNING

This warning symbol describes a possible imminent danger.

- ▶ Failing to observe this can cause death or serious injury.

⚠ CAUTION

This warning symbol describes a possible imminent danger.

- ▶ Failing to observe this can cause low to moderate severity injuries.

HINT

This warning symbol describes a danger that can lead to property damage.

- ▶ Measures to prevent property damage are described here.

1.4. Effective documents

These operating instructions are intended to supplement the operating instructions for your FRIAMAT fusion unit.

1.5. Updates to these instructions

The technical information contained in these operating instructions is reviewed regularly to make sure it is up to date. The date of the last revision is specified on the document. Updated instructions are available online at <http://www.aliaxis.de/de/services/downloads>

We would also be pleased to send you a printed version.

2. Safety

2.1. Intended use

The FRIAMAT 1D/2D handheld scanner is designed for use in harsh site conditions. Its sole purpose is to read 1D barcodes code 2/5 interleaved and code 128 as well as 2D codes (QR; Aztec; DataMatrix) as defined under ISO 12176-5 (Draft). The FRIAMAT 1D/2D handheld scanner may only be operated on FRIAMAT fusion units.

2.2. Modifications to the product

No modifications may be made to the device.

2.3. Operator's obligations

All persons involved in setting up, operating and servicing the FRIAMAT 1D/2D handheld scanner must:

- be qualified for this work and
- observe these operating instructions exactly.

These operating instructions must always be kept at the location where the device is used. They must be accessible to the operator at all times. Proper use requires that you observe applicable accident prevention regulations, environmental regulations, statutory rules, relevant safety provisions, and all standards, laws and directives applying in the country of use.

2.4. Personnel qualifications

All persons involved in handling and using the device as intended must meet the following requirements:

- They must have received training or instruction in how to assemble and install the products or tools.
- They must have read and understood these instructions and other applicable documents.

3. Product description



The FRIAMAT 1D/2D handheld scanner has a rugged plastic housing with an ergonomically shaped handle, and is lightweight. Thanks to these features, barcodes can be read easily and reliably even in harsh site conditions.

Image 1:

3.1. Technical details

Compatibility	FRIAMAT prime 7th generation, FRIAMAT basic 7th generation
Temperature range	Operation: -20 °C to +55 °C
	Storage: -20 °C to +70 °C
Weight	116 g
Enclosure rating	IP54

4. Installation

I INFO

The FRIAMAT fusion unit must be switched off before installing the FRIAMAT 1D/2D handheld scanner!

First remove the wand or mini scanner from the FRIAMAT fusion unit by turning the screw fitting on the hotmelt moulding anti-clockwise.



Connecting the 1D/2D handheld scanner:
Plug the connector from the FRIAMAT 1D/2D handheld scanner directly into the socket on the hotmelt moulding. Then turn the screw fitting clockwise until finger-tight. Do not use tools.

Image 2:

When the FRIAMAT fusion unit is switched on, the FRIAMAT 1D/2D handheld scanner emits a power-on signal (four short signal tones in quick succession). Then, after a few seconds, the FRIAMAT fusion unit emits a short confirmation signal. After the following power-on signal from the FRIAMAT 1D/2D handheld scanner, it is ready for operation.

5. Operation



Image 3:

The FRIAMAT 1D/2D handheld scanner reads barcodes without physical contact.

To read 1D barcodes, the FRIAMAT 1D/2D handheld scanner should preferably be held parallel to the barcode.

To read 2D barcodes, the FRIAMAT 1D/2D handheld scanner can be held at any orientation to the barcode.

Optimal read results are obtained when the FRIAMAT 1D/2D handheld scanner is positioned a short distance from the barcode (around 5 to 7 cm, depending on the size of the barcode), and slightly above (fusion barcode) or below (traceability barcode) the barcode being read. Then, with the read button pressed, slowly move the FRIAMAT 1D/2D handheld scanner squarely towards the centre of the barcode.

If the barcode is badly printed or slightly damaged, it can be helpful to move the FRIAMAT 1D/2D handheld scanner further away from the barcode while holding down the read button. When the barcode is read in successfully, the device emits an acoustic signal, and a green indicator lamp lights up in the middle of the read barcode.

I INFO

Protect the reading window from dirt and scratches!

The condition of the reading window has a direct effect on the capabilities of the FRIAMAT 1D/2D handheld scanner.

After use, always place the FRIAMAT 1D/2D back in its case.

6. Care and maintenance

The FRIAMAT 1D/2D scanner is maintenance-free. Regular cleaning of the reading window is recommended, and the plug connections should also be checked regularly.

i INFO

Do not use solvents or cleaning agents that could damage the product.

7. Disposal

For disposal, follow the applicable country-specific regulations on waste disposal.

8. Warranty

We grant a one year warranty. Parts subject to normal wear and tear – such as the reading window – are excluded.

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