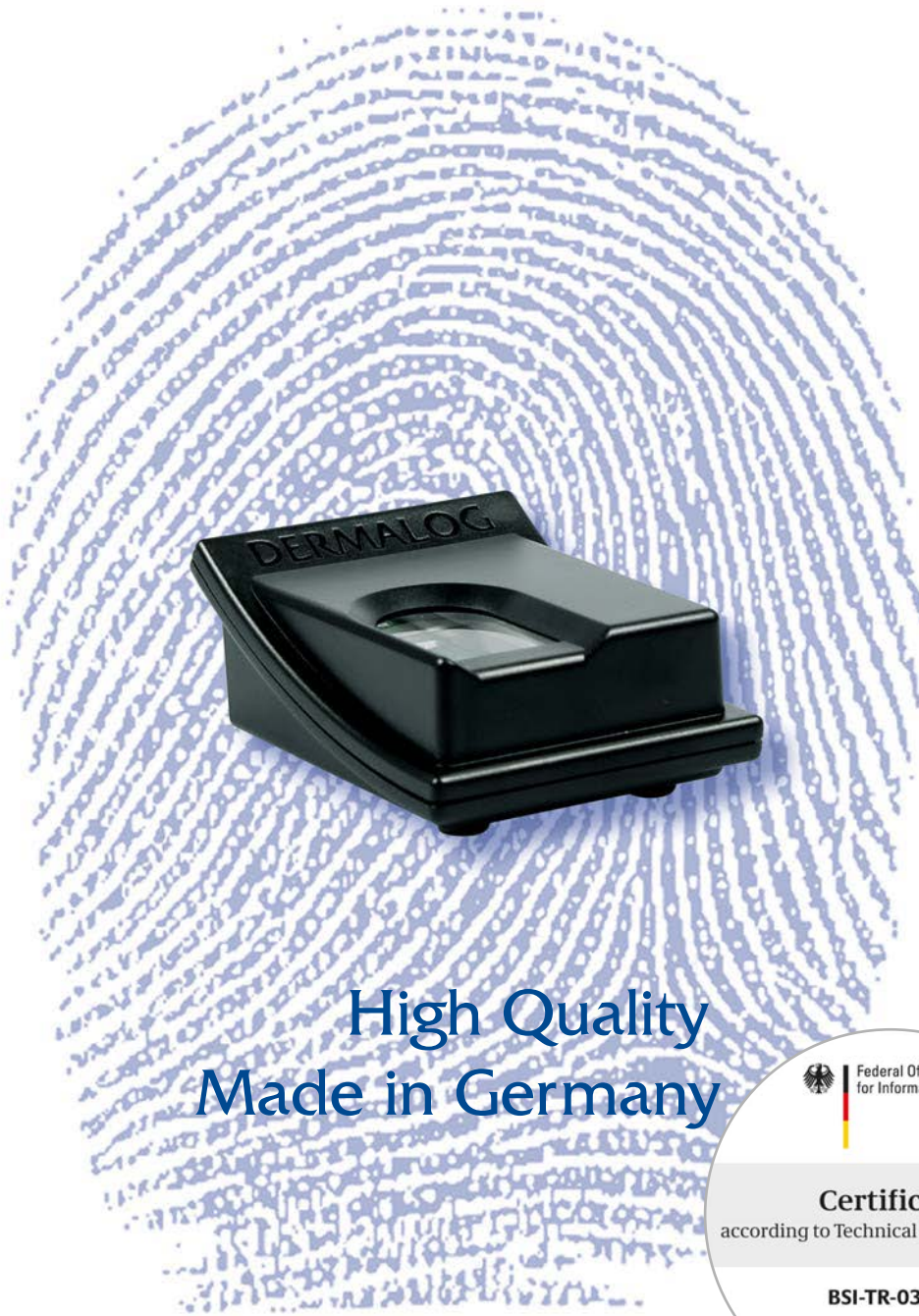


# DERMALOG



High Quality  
Made in Germany



## FINGERPRINT LIVE SCANNER F1

- Highest Fingerprint Image Quality for ePassports, ID Cards and Verification
  - USB 2.0 Fingerprint Scanner

FINGERPRINT LIVE SCANNER F1

# FINGERPRINT LIVE SCANNER F1

## Live Scanner F1

The DERMALOG F1 is the smallest optical plain fingerprint scanner that fulfills various requirements for plain fingerprint quality. Live fingerprint detection ensures detection of fake fingers and which is another highlight of the F1. Most of the other optical live scanners can't detect fake fingers.

The F1 is a great, space-saving choice if you need to capture fingerprints for e-Passports, ID cards or other applications. High quality features and compliance with international standards make it suitable for a wide range of biometric documents.

Another outstanding feature is excellent ease of use and handling. Almost every person automatically puts his finger on the scanner correctly without needing any instruction.

The fingerprint image size of about 18 kByte is comparatively small (WSQ 1:15 compressed fingerprint image, as per FBI specifications) - an important requirement for all RFID applications. Other scanners need more than twice the storage space due to too large fingerprint capturing surface. The F1 helps to keep storage space on your e-Passport or ID card very small.



Highest image quality and leading technical features make the F1 your best choice – at the best price.

- Detection of fake fingers
- Instant fast capturing - no initialization required
- High-quality images - no reference images required
- Best against disturbing light - no side effects caused by other light sources
- Best in handling fingerprint capturing

In order to meet the requirements DERMALOG uses advanced CMOS sensor technology and a specific optical system. During scanning a fingerprint is captured by four different infrared light-emitting diodes. Thereby the illumination is automatically adjusted according to the given characteristics (wet, dry, blurred, etc.) of the captured fingerprint.

# Specifications

## Technical Features:

- Detection of fake fingers
- Immediate fast capturing - no initialization required
- Latest high quality images - no reference images required
- Best against disturbing light - no side effects through other light sources
- Best in handling fingerprint capturing
- Excellent quality for both dry and wet fingerprints

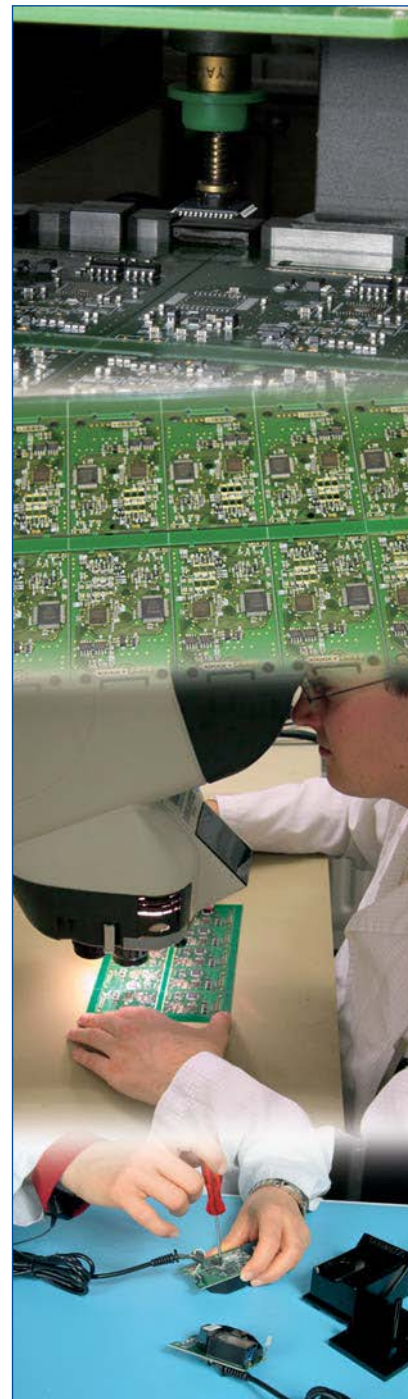
## Image Quality:

- Optical scanning window size: 25 mm x 18 mm
- Image resolution: 500 dpi
- Grey scale: 8 bit, 256 grey levels
- Raw fingerprint image file size.: 155 kByte
- Fingerprint image size WSQ approx.: 18 Kbyte
- Quality conforming to standards: CE  
(Product Safety, EMV, RoHS, WEEE), FCC, FBI IQS PIV, BSI TR-PDÜ

## Technical Data:

- Dimensions (HxWxD): 31 mm x 53 mm x 68 mm
- Weight (incl. USB cable): 122 g
- Operating temperature: -10 ° to + 55 ° Celsius
- Interface: USB 2.0
- Supply voltage: DC 4,5 – 5,5 Volt via USB port





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