



Declaration of Conformity

Near-Field Probes Type MFA

Micro Probes 1 MHz up to 6 GHz

- Translation of the original German user manual into English -

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1 Declaration of Conformity

Manufacturer:

Langer EMV-Technik GmbH
Nöthnitzer Hang 31
01728 Bannewitz
Germany



Langer EMV-Technik GmbH herewith declares that following sets:

MFA sets:

- MFA-R 0.2-6, Near-Field Micro Probe 100 MHz up to 6 GHz
- MFA R0.2-75, Near-Field Micro Probe 1 MHz bis 1 GHz
- MFA-K 0.1-12, Near-Field Micro Probe 100 MHz up to 6 GHz
- MFA K0.1-30, Near-Field Micro Probe 1 MHz up to 1 GHz
- BT 706, Bias Tee for Langer probes

conform with the following relevant regulations:

- EMC Directive 2014/30/EU
- Low-Voltage Directive 2014/35/EU
- Restriction of certain Hazardous Substances 2011/65/EU
-

The following applicable standards were used to implement the requirements specified by the forementioned directives:

- DIN EN IEC 61000-6-1:2019-11 (EMC immunity)
- DIN EN IEC 61000-6-3:2022-06 (EMC emission)
- DIN EN 61010-1:2020-03 (Safety)
- DIN EN IEC 63000:2019-05 (Restriction of hazardous substances)

Note: All Langer EMV-Technik Near-Field Microprobes are only to be used with Langer EMV-Technik BT 706 Bias Tee!

Name of the person authorized to compile the technical documentation

Katja Langer

Bannewitz, 2025-09-08

Signature:

A handwritten signature in black ink, appearing to be 'K. Langer', written over a horizontal line.

K. Langer, CEO

2 Safety

2.1 Labels and Signs

		
General warning sign	Warning; Electricity	Prohibition sign; No access for people with active implanted cardiac devices.

Table 1: Safety signs

Safety instructions in this user manual are marked by symbols (**Table 1**). Observe the safety precautions and act cautiously to avoid accidents as well as personal and material damages.

2.2 Intended Use

The MFA-type near-field probes are active probes that convert high-frequency magnetic near fields into current or voltage signals. They may only be used by personnel with expertise in the field of EMC (electromagnetic compatibility) for measuring such near fields. The probes are designed for connection to spectrum analyzers, oscilloscopes, and comparable instruments.

Since these are near-field probes, touching the device under test (DUT) or making electrical contact is not necessary for proper operation.

2.3 Reasonably foreseeable Misuse

	Danger resulting from misuse! Misuse of the MFA sets can lead to dangerous situations!
Warning!	

Incorrect applications of the sets include:

- Use of the product outside of the given specifications.
- Modification or changes to the product without the consent of Langer EMV Technik GmbH.
- Operation of the product with a technical defect.

2.4 Staff Requisition

Only qualified staff with training, knowledge, and experience in the field of EMC is allowed to operate the MFA set.

Persons whose ability to perform is influenced or impaired by alcohol, drugs, or pharmaceuticals, are not allowed to operate the MFA set.

2.5 Safety Instructions

	Danger resulting from electricity! Risk of injury by electrocution! Risk of burns due to heat!
Warning; Electricity!	

3 Information on Recycling and Disposal



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In accordance with the WEEE Directive 2012/19/EU (Waste of Electrical and Electronic Equipment), the following must be observed:

At the end of its service life, this product should be taken to a suitable disposal facility for recycling and disposal. Do not dispose of with household waste.

4 Customer service

Please contact us if you have any questions, comments or suggestions.

You can contact us:

Monday – Friday

8:00 – 15:00 (CET)

Contact us at:

Address: Langer EMV-Technik GmbH
Nöthnitzer Hang 31
01728 Bannewitz
Germany

Internet: <https://www.langer-emv.com/>

E-mail: sales@langer-emv.de

Phone: +49 (0) 351-430093-0

Fax: +49 (0) 351-430093-22

Calibration

We recommend having the product calibrated every two years by the manufacturer Langer EMV-Technik GmbH or by a certified service partner.

5 Warranty

Langer EMV-Technik GmbH shall remedy all defects attributable to material or manufacturing faults within the statutory warranty period by repairing the product or supplying replacement parts.

This guarantee is only granted on condition that:

- the information and instructions in the operating instructions are observed.

The guarantee expires if:

- an unauthorized repair is carried out on the product
- the product is modified
- the product is not used as intended

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