

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

Declaration of Conformity

Manufacturer:

Langer EMV-Technik GmbH
Nöthnitzer Hang 31
01728 Bannewitz
Germany



Near-Field Probes

LF, LFS, RF, RFS, SX, XF und XFS

Intended use

The LF, LFS, RF, RFS, SX, XF and XFS near-field probes are passive probes that convert high-frequency, electric and magnetic near fields into an electric current or voltage. They may only be used by persons qualified in the field of EMC to measure near fields. The probes are designed to be connected to a spectrum analyser, an oscilloscope or a similar device.

Because they measure near fields, it is unnecessary to touch the device under test with the probes.

Langer EMV-Technik GmbH herewith declares that the Near-field Probe Types:

- **LF**, passive, 100 kHz – 50 MHz
- **LFS**, passive, 100 kHz – 50 MHz
- **RF**, passive, 30 MHz – 3 GHz
- **RFS**, passive, 30 MHz – 3 GHz
- **SX**, passive, 1 GHz – 20 GHz
- **XF**, passive, 30 MHz – 6 GHz
- **XFS**, passive, 30 MHz – 6 GHz

conforms with the following relevant regulations:

- Restriction of certain Hazardous Substances 2011/65/EU

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

- DIN EN IEC 63000:2019-05 (Restriction of hazardous substances)

Note: This product does not fall within the scope of CE marking requirements, as it has no independent electrical function.

Name of the person authorized to compile the technical documentation:

Katja Langer
Bannewitz, 2026-05-20

Signature:

K. Langer, CEO

Safety instructions

	Observe the operating and safety instructions for all devices used in the set-up. Never use any damaged or defective devices.
Warning	

The use of these near-field probes to test devices with voltages higher than safety extra-low voltage (SELV) is only permitted for trained personnel. Additional protective measures such as use of an isolating transformer, additional insulation, etc. must be implemented to safeguard against electric shocks and to minimise the risk of injuries.

Depending on the measured field strength, voltages exceeding the permissible maximum input voltage of the connected device may be generated at the probe's output. Under certain circumstances, this may also occur with short-term events, such as short-circuits, high inrush currents, etc. Employ protective measures, such as use of attenuation elements, transient limiters or similar devices, as required.

To achieve the high sensitivity necessary, the probes' outer protective layer is very thin and, therefore very sensitive to mechanical stress. Isolation of the probe tip CANNOT be guaranteed. The user is therefore required to provide appropriate insulation to protect the device under test and the connected measuring device.



Information on Recycling and Disposal

In accordance with the WEEE Directive 2012/19/EU (Waste 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.

Customer service

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

You can contact us:

Monday – Friday
8:00 a.m. – 3:00 p.m.

Contact us at:

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

Web: www.langer-emv.de
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.