

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

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.

Declaration of Conformity

Manufacturer:
Langer EMV-Technik GmbH

Nöthnitzer Hang 31
01728 Bannewitz
Germany

Langer EMV-Technik GmbH herewith declares that the

P250 set, EFT/burst injection up to 6 kV including P250 with TS 250-2.2p, TS 250-10p, TS 250-100p, TS 250-1n, TS 250-100n

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 a forementioned directives:

- IEC 60502-2 – Power cables with extruded insulation for rated voltages 1 kV up to 30 kV
- DIN EN IEC 63000:2019-05 (Restriction of hazardous substances)

Note: This product is not covered by the Low Voltage Directive (2014/35/EU), as the operating voltage exceeds 1000 V AC.

Name of the person authorized to compile the technical documentation:

Katja Langer
Bannewitz, 2026-05-20
Signature:



K. Langer, CEO



LANGER
EMV-Technik

P250 set
EFT/burst injection up to 6 kV

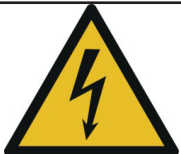


Scan Now: User Manual

https://www.langer-emv.de/downloads/P250_set

Safety

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.

Intended Use

The P250 set is used to inject electrical fast transients into integrated circuits so as to determine their pulse immunity according to IEC 62215-3 and IEC 61000-4-4. The probe contains a coupling network which is supplied with pulses from an EFT/burst generator (according to IEC 61000-4-4). The P250 probe and all included probe tips are built according to their specified use therefore they should be used only for the following purposes:

- Injection of pulses into IC pins or balls with the P250 including one of the TS 250-x coupling networks powered by a standard EFT generator (according to IEC 61000-4-4).
- The P250 set must be used in conjunction with the ICE1 set from Langer EMV Technik GmbH.

Any use beyond these specifications is considered contrary to the intended use.

Reasonably foreseeable Misuse

	Danger resulting from misuse! Misuse of the P250 set can lead to dangerous situations!
Warning	

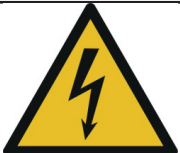
Incorrect applications of the sets include:

- 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.

Staff Requisition

Only qualified staff with training, knowledge, and experience in the field of EMC is allowed to operate the P250 set. Persons whose ability to perform is influenced or impaired by alcohol, drugs, or pharmaceuticals, are not allowed to operate the P250 set. Certain functions may only be carried out by qualified personnel of Langer EMV Technik GmbH.

Safety Instructions

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

Only connect the high-voltage cable to the P250 probe before operation.

- Don't touch the connected probe tip while the P250 probe is in operation.
- If insulation is damaged, the power supply has to be disconnected immediately.
- Replace damaged parts with undamaged parts before operation. Contact Langer EMV-Technik GmbH for proper replacements.
- Protect live parts from moisture to avoid short circuits.

	Danger resulting from electro-magnetic fields! Risk of affecting a cardiac device!
Prohibition; No access for people with active implanted cardiac devices	

Persons with a cardiac device, such as a pacemaker, are not allowed to work on or approach the P250 set while it is in operation.



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.