

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

P331-2 Set, ESD Pulse Injection acc. IEC 61000-4-2 including
P331-2; BPS 203; SM 02-01

conforms 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 a 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)

Name of the person authorized to compile the technical documentation:

Katja Langer
Bannewitz, 2026-05-20
Signature:



K. Langer, CEO



P331-2 set ESD-Pulse Injection IEC 61000-4-2



Scan Now User Manual:

P331 set



[https://www.langer-emv.de/
downloads/P331-2_set](https://www.langer-emv.de/downloads/P331-2_set)

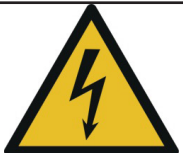
BPS 203



[https://www.langer-emv.de/
downloads/BPS_203](https://www.langer-emv.de/downloads/BPS_203)

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 P331-2 set is used for conducted coupling of ESD pulses into ICs. The P331-2 probe sizing orientates itself by mechanisms of the ESD coupling into electronic assemblies (according to IEC 61000-4-2 / HMM). The BPS 203 burst power station supplies and controls the probe.

The P331-2 probe and BPS 203 burst power station are built according to their specified use therefore they should be used only for the following purposes:

- Injection of ESD pulses into IC pins or balls with P331-2 powered by BPS 203.
- Control of the P331-2 via BPS 203-Client or DLL.
- The P331-2 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 P331-2 set can lead to dangerous situations!
Warning	

Incorrect applications of the sets include:

- Use of the product outside of the given specifications.
- Modification or changing of the product without consent of Langer EMV Technik GmbH.
- Operating the product with a technical fault.

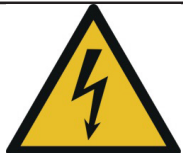
Staff Requisition

Only qualified staff with training, knowledge, and experience in the field of EMC is allowed to operate the P331-2 set.

Persons whose ability to perform is influenced or impaired by alcohol, drugs, or pharmaceuticals, are not allowed to operate the P331-2 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 P331-2 probe before operation. Don't touch the probe tip of a P331-2 probe while it 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.
- Never leave a Langer EMV-Technik GmbH product unattended while this is in operation.

	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 P331-2 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.