

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

P202 / P302 L-EFT set, Pulse Injection Langer Pulses 1.5/5 ns and 1.5/20 ns
with P202, P302, BPS 202 and FRIWO FW8000/12

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



P202 / P302 L-EFT set

Direct EFT Pulse Injection



Scan Now User Manual:

P202/P302 set



https://www.langer-emv.de/downloads/P202_P302_set

Guideline IC



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

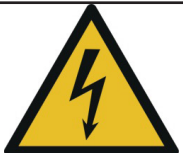
BPS 202



https://www.langer-emv.de/downloads/BPS_202

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 P202/P302 set is used to determine the pulse immunity of ICs. The devices and accessories in this set may only be used in accordance with the details given in this user manual.

The pulse generators 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 P202 or P302 powered by BPS 202.
- Control of the P202 and P302 via BPS 202-Client or DLL.
- The P202 / P302 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 P202 / P302 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.

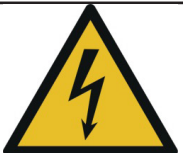
Staff Requisition

Only qualified staff with training, knowledge, and experience in the field of EMC is allowed to operate the P202 / P302 set.

Persons whose ability to perform is influenced or impaired by alcohol, drugs, or pharmaceuticals, are not allowed to operate the P202 / P302 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!	

RF currents can cause irreversible damage to the body, therefore the following safety instructions have to be observed.

- All cable connections must be closed before operating the P202 / P302 set.
- Do not touch the probe tip of the P202 / P302 set when it is in operation.
- If any insulation is damaged, the power supply must be disconnected immediately.
- Damaged parts must be replaced with undamaged parts before operation. Contact Langer EMV-Technik GmbH to obtain a replacement.
- Protect live parts from moisture to avoid short circuits.
- Never leave a Langer EMV-Technik GmbH product unattended while it 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	

Electromagnetic near fields are generated at the probe due to its function. Therefore, persons with a cardiac device, such as a pacemaker, must not work on or approach the P202/P302 set Set during 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.