

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

P501 / P503 set, RF Power Injection including
P501, P503

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 63000:2019-05 (Restriction of hazardous substances)
- 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)

Name of the person authorized to compile the technical documentation:

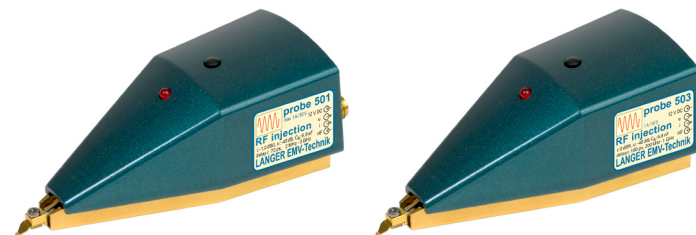
Katja Langer
Bannewitz, 2026-05-20
Signature:



K. Langer, CEO



P501 / P503 set RF Power Injection

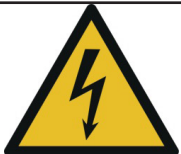


Scan Now: User Manual

https://www.langer-emv.de/downloads/P501_P503_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 P501 / P503 probe set is used for the conducted measurement of the immunity according to IEC 62132-4. Understanding the immunity parameters allows an IC optimization and the definition of application requirements. Available DPI couple networks (P501, P503) allow the RF coupling with different frequency ranges and different input voltages.

The P501 and P503 probes are built according to their specified use therefore they should be used only for the following purposes:

- Injection of RF power into IC pins or balls with the P501 or P503 within the given specifications.
- The P501 / P503 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 P501 / P503 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.

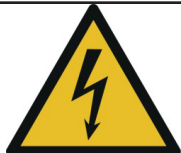
Staff Requisition

Only qualified staff with training, knowledge, and experience in the field of EMC is allowed to operate the P501 / P503 set.

Persons whose ability to perform is influenced or impaired by alcohol, drugs, or pharmaceuticals, are not allowed to operate the P501 / P503 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 P501 / P503 probe before operation.
Don't touch the probe tip of a P501 / P503 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 whilst 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 P501 / P503 set whilst 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.