

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 service partner.

Declaration of Conformity

Manufacturer:
Langer EMV-Technik GmbH

Nöthnitzer Hang 31
01728 Bannewitz
Germany



Langer EMV-Technik GmbH herewith declares that the

NNB 21 set, Line Impedance Stabilisation Network

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



NNB 21 set

Line Impedance Stabilization Network

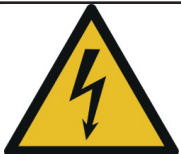


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https://www.langer-emv.de/downloads/NNB_21_set

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 NNB 21 set (LISN - line impedance stabilisation network) is designed for the measurement of conducted interference emissions in wiring systems (automotive sector) and also for general use. The NNB 21 set can measure two circuits separately or simultaneously.

Measuring the circuits simultaneously or separately does not impact the measurement setup. This minimizes measurement errors. If there are measurements on just one signal line, the second signal path can be grounded via a side switch of NNB 21 set.

Reasonably foreseeable Misuse

	Danger resulting from misuse! Misuse of the NNB 21 set can lead to dangerous situations!
Warning	

Incorrect applications of the sets include:

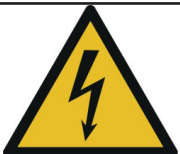
- Use of the product outside of the given specifications.
- Modification or changes to the product without the consent of Langer EMV-Technik GmbH.
- Operation of the product with a technical defect.

Staff Requisition

Only qualified staff with training, knowledge, and experience in the field of EMC is allowed to operate the NNB 21 set.

Persons whose ability to perform is influenced or impaired by alcohol, drugs, or pharmaceuticals, are not allowed to operate the NNB 21 set.

Safety Instructions

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



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.



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