

Certified according to ISO 9001



Operating instructions for Pressure Transducer Simulator SD-N1



Contents:

1. General description
2. Technical details
3. Setting Possibilities

1. General description

The Gneuss pressure transducer simulator simulates pressure transducers with a 350Ω strain gauge. This unit serves for simulation of all pressure transducer functions, in order to check all cables/wiring and the pressure display. Thanks to its stageless adjustment via the scale potentiometer, all values can be adjusted. Further, it provides a signal change-over (between 2 mV/V and 3.3 mV/V) and internal calibrating functions.

2. Technical data

Range of display with 3.3 mV/V	$\leq 0 - 105 \%$
Range of display with 2 mV/V	$\leq 0 - 176 \%$
Measuring bridge of the simulator	350Ω
Internal calibrating function	80 % of the end value
Power supply	6-10 VDC
Electrical connection	6 P
	98
	8 P

3. Setting possibilities

The sensitivity is selected via the DIP switch on the bottom side of the housing.



Setting for 3.3 mV/V



Setting for 2 mV/V

Measurement and calibration via the lever switch on the top side of the housing.

Lever switch to "0"

Pressure value is 0 and the scale potentiometer is without function. Calibration of the evaluation unit (display, SPS) can now be started.

Lever key to "I"

Scale potentiometer is active.

Locking a certain value

By turning the locking lever to the right at the scale potentiometer, adjustments to the scale potentiometer are blocked.



Gneuß Kunststofftechnik GmbH
Mönichhusen 42
32549 Bad Oeynhausen
Germany
Phone: +49 5731 5307-0
Fax: +49 5731 5307-77
Email: gneuss@gneuss.com
www.gneuss.com

revision date: 19th of September 2012