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Operating instructions for Pressure Transducer Simulator SD-N1



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1. General description

The Gneuss pressure transducer simulator simulates pressure transducers with a 350 Ω 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	<=0 – 105 %
Range of display with 2 mV/V	<=0 – 176 %
Measuring bridge of the simulator	350 Ω
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 "1"

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.



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