

ENGLISH

Caution



Before pressure transmitter is used in operation, make sure to read these operating instructions thoroughly. In the event of damages due to the non observance of these instructions, improper operation or use of the transmitter for purposes for which it is not intended, the warranty becomes null and void. We shall not be held liable for resultant consequential damages.

The transmitter is to be installed and removed by technicians only.

The applicable certified national safety regulations for the operation of pressure measuring devices shall be observed.

In the installed condition the respective device specific requirements on the type of protection must be fulfilled.

Factory setting

Pressure 0, output signal 4 mA for current output, 0 V (1 V for type 1 - 6 V) for voltage output.

Max. pressure = max. output signal. (20mA resp. 5V / 6V / 10V)

Zero point - adjustable with potentiometer, (Fig. 2) At pressure 0 the output signal can be adjusted $\pm 2\%$ FS.

Slope with potentiometer (Fig. 2), $\pm 2\%$ the effective output signal can be adjusted with application of appropriate pressure

Calibration procedure

- Unscrew retaining cap, pull off connector to render potentiometers accessible.
- Connect electrically according scheme, Fig. 1
- With zero point-potentiometer (Fig. 2) adjust zero point-output signal. Put **screw driver with breadth ≤ 1.5 mm, thickness ≤ 0.5 mm through sealing compound. Attention:** zero point signal < 0 V is not possible.
- With pressure regulator class 0.3 or better apply higher pressure and adjust with slope potentiometer (Fig. 2) output signal.

Place connection cable with Ferrit-core correctly behind O-Ring, so that the EMC-specifications are still adhered to.

Re-fit screwed retaining cap ensuring seal tight connection.

Achtung!
GND und Gehäuse sind nur kapazitiv und nicht galvanische verbunden.



Attention!
GND et boîtier sont connectés uniquement de manière capacitive et non galvanique.

Caution!
GND and case have only a capacitive, but not an electrical connection.

Attenzione!
La massa e la scatola presentano un collegamento solo capacitivo, ma non galvanico.

Varning!
GND och ytterhöljet är endast kapacitivt förbundna och ej galvaniskt.

Fig. 1

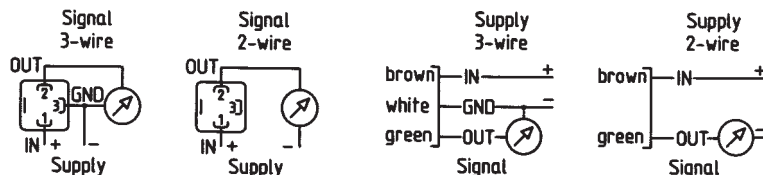
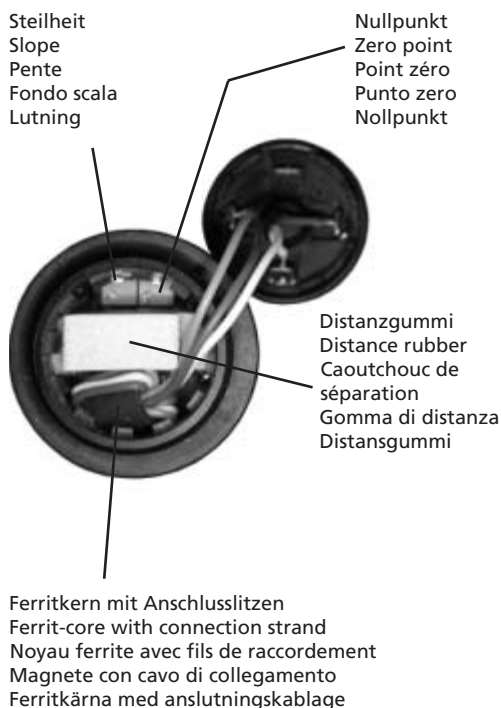


Fig. 2



Elektromagnetische Verträglichkeit / Compatibilité électromagnétique / Electromagnetic compatibility / Compatibilità elettromagnetica / Elektromagnetisk tolerans

Type of interference	Test standard	Effects
Electrostatic discharge ESD	EN 61000-4-2 15 kV air discharge 8 kV contact discharge	no effect
High-frequency electromagnetic radiation (HF)	EN 61000-4-3 10 V/m, 80 ... 1 000 MHz	no effect
Conducted HF interference	EN 61000-4-6 10 V _{RMS} , 0.15 – 80 MHz	no effect
Fast transients (burst)	EN 61000-4-4 2 kV	no effect
Surge	EN 61000-4-5 1 kV (42 Ohm, 0.5 µF) 500 V (12 Ohm, 9/18 µF)	no failure
Magnetic fields	EN 61000-4-8 30 A/m, 50 Hz	no effect
Insulation voltage	500 VDC 350 VAC	no effect no failure
Conducted interference	EN 55022 0.15 ... 30 MHz	no effect
Radiation from housing	30 ... 1 000 MHz, 10 meters	no effect