

Pressure Transmitters for Low Pressures and Differential Pressures

Model DP-10

WIKA Data Sheet PE 81.06

Applications

- Heating, ventilation and air conditioning technology
- Clean room applications
- Medical industry
- Filtering and dedusting applications

Special Features

- Pressure ranges from 0 ... 0.6 mbar to 0 ... 1000 mbar
Special pressure range 800 ... 1,200 mbar absolute gauge pressure and vacuum, differential pressure
- Various industrial standard signal outputs
- Output signal calculated by root-evolution
- LCD or analogue indication 0 ... 100 %
- 1-2 alarm contacts



Pressure Transmitter model DP-10

Description

The WIKA pressure transmitters Model DP-10 have been developed for the measurement of low gauge pressures and vacuum, as well as differential pressures. These transmitters are exclusively suitable for dry, clean and non-aggressive gases.

Measuring principle

The pressure is measured via a sensitive diaphragm, which is adapted to the pressure range, or a capsule element for absolute pressure ranges. An inductive system generates a linear signal which changes in proportion to the prevailing pressure.

Applications

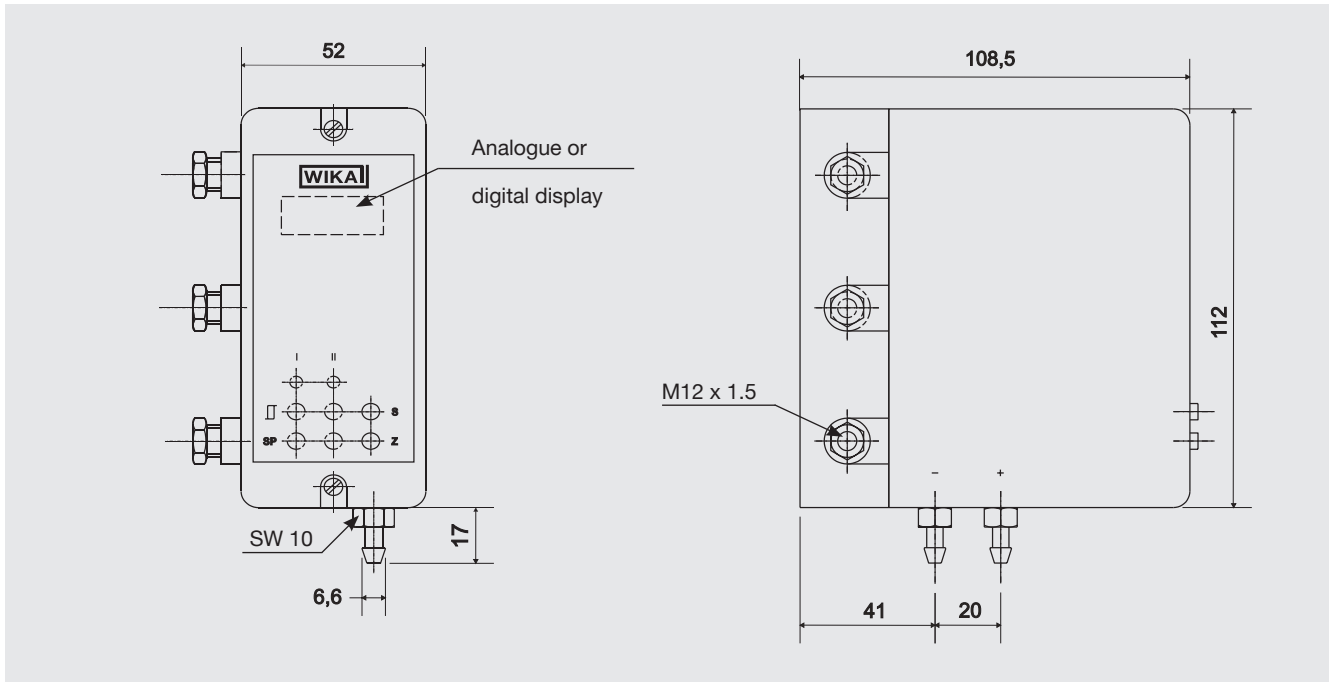
This transmitter has mainly been designed for HVAC, filtering, dedusting and clean room applications as well as for the medical industry.

For applications in which switching functions are additionally required pressure transmitters with 3-wire systems can be equipped with up to two alarm contacts. For each alarm contact a potential-free change-over contact is available.

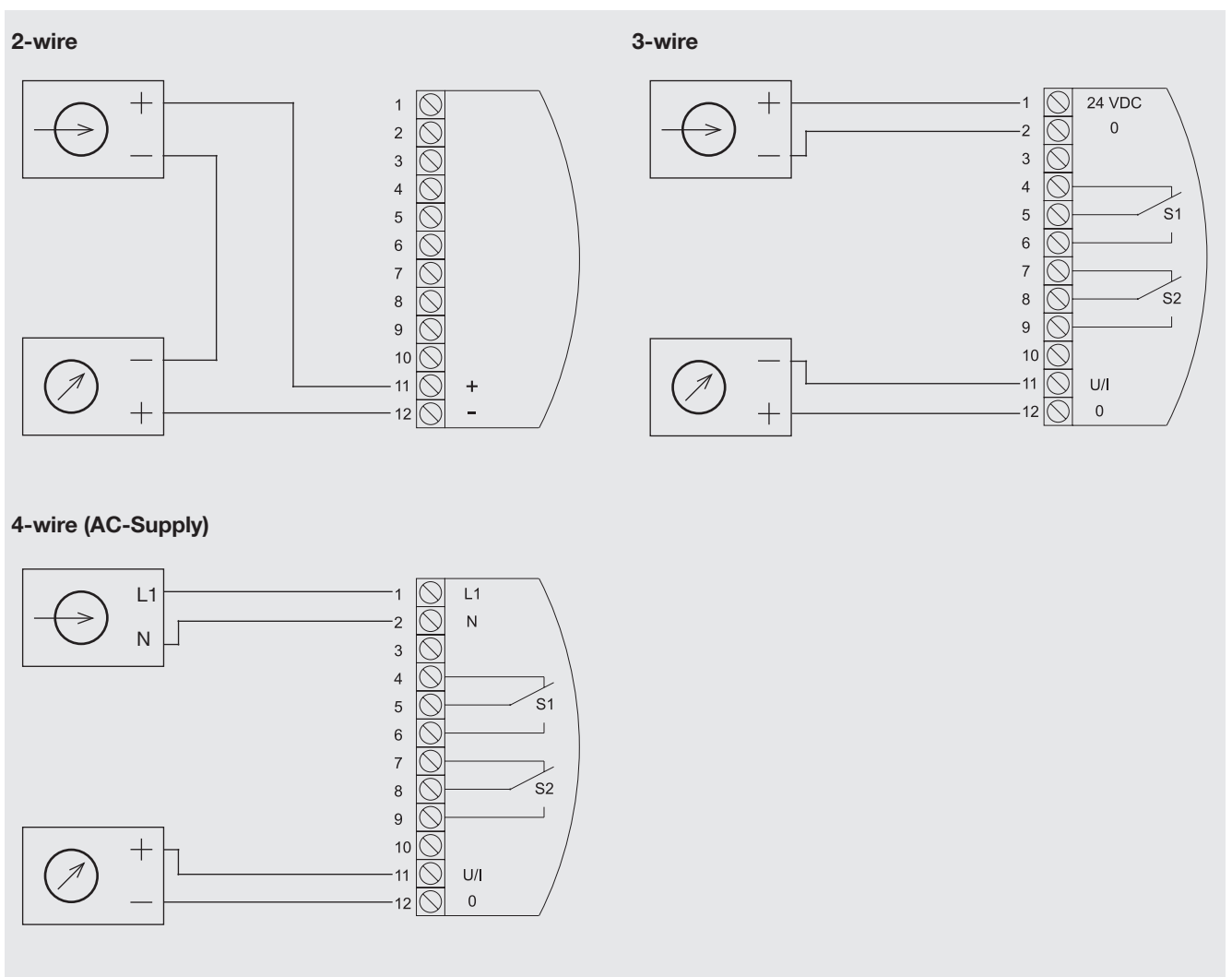
For the local readout the measured values can optionally be equipped with a 3 ½-digit LCD display or with an analogue indication 0 ... 100 %.

For flow measurements by means of a standard orifice plate a special design with an output signal calculated by root-evolution is available for 3-wire systems. With this design it is possible to adjust the suppression of creeping quantities by means of potentiometers in the range 0 ... 10 %.

Dimensions in mm



Electrical connection



Modifications may take place and materials specified may be replaced by others without prior notice.
Specifications and dimensions given in this leaflet represent the state of engineering at the time of printing.



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