

Measurement technology for clean room and laboratory applications as well as ventilation systems

FISCHER measuring instruments for use in clean room and laboratory applications as well as ventilation systems have been successfully deployed for a good number of years to reliably ensure the best possible environments in the production of chemical, pharmaceutical, semi-conductor and photovoltaic products as well as in industry in general.

Perfectly harmonised to meet individual application requirements these devices fulfil the important task of regulating and monitoring the ambient air quality required.

This brochure offers an up-to-date overview of our current range of devices and their fields of applications.

Our assortment of devices for control technology and monitoring solutions includes measuring instruments and transmitters with optional signal displays and relay contacts as well as displays.

Pressure, differential pressure, flow rate temperature and moisture are examples of the quantities measured

On request we will willingly customise control panels according to your application requirements for measurement data acquisition, room monitoring and access control.



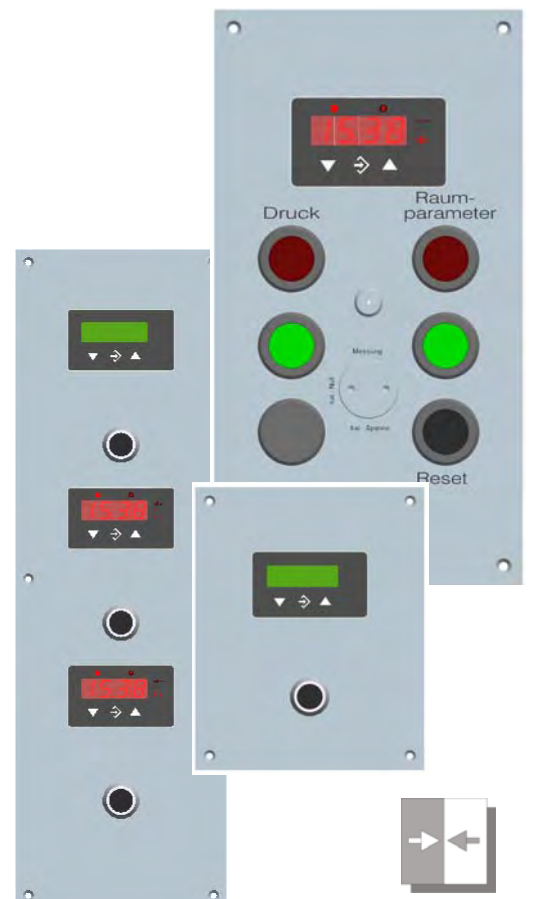
The solutions:

• Customised control panels

Designed and produced to your specifications

- Defined interfaces to BCT and monitoring
- Terminated and ready for installation
- Individual assembly with measuring instruments, displays, signal indication, buttons, buzzers
- Printed or engraved markings to your specifications
- For front-flush wall or channel installation
- Designed for access controls, fault alarms, door interlocks, airlocks, Emergency OFF functions etc.
- Displays optionally available as bright red LED or

- **NEW** • LC colour-change displays



The sensors:

DE46 • the multifunctional device

Anzeiger, Transmitter und Schaltgerät

- The precision device for measuring the lowest positive, negative and differential pressures
 $\pm 12.5 \text{ Pa} \Rightarrow 0 \dots 1000 \text{ Pa}$
- Three-wire technology
- Large, bright LED display or LC colour-change display
- User-friendly set-up menu
- Optional PC programming kit
- TAG numbers can be stored in the device
- Device parameters can be stored on a PC and printed
- Version available for front-flush installation in control panels
- Eminently suitable for clean room and laboratory technology



DE23 • the compact differential pressure transmitter

- Precision device for measuring the lowest positive, negative and differential pressures
 $\pm 12,5 \text{ Pa} \Rightarrow 0\dots 1000 \text{ Pa}$
- Two-wire technology
- Signal output to BCT, monitoring or remote pressure indicator device EA14
- Eminently suitable for clean room and laboratory technology

EA14 • configurable remote indicator device

Display, transmitter and switching device

- Versatile, configurable display device
- Three-wire technology
- Large, bright LED display or LC colour-change display
- User-friendly set-up menu
- Optional PC programming kit
- TAG numbers can be stored in the device
- Device parameters can be stored on a PC and printed
- Version available for front-flush installation in control panels



The FISCHER family of products for clean room and laboratory applications:



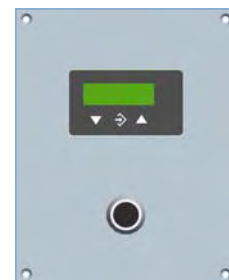
DE23 without display
±12,5 Pa ⇒ 0...1000 Pa
4...20 mA, 2-wire,
M12-plug-in connector



DE23 with LC-display
±12,5 Pa ⇒ 0...1000 Pa
4...20 mA, 2-wire,
M12 plug-in connector



DE46 with LED-display
±12,5 Pa ⇒ 0...1000 Pa
0/4...20 mA, 0...10 V,
3-wire, M12-plug-in connector



DE46 version for front-flush
installation in control panels

FISCHER product family for ventilation technology:



DE25 without display
0...4 ⇒ 0...100 mbar
0/4...20 mA, 0...5/10V, 3-wire,
M12-plug-in connector



DE25 without display
0...4 ⇒ 0...100 mbar
0/4...20 mA, 0...5/10V, 3-wire,
terminals and cable gland



DS27 with LEDs
0...4 ⇒ 0...100 mbar
semi-conductor switch
M12-plug-in connector



DS27 with LC-display
0...4 ⇒ 0...100 mbar
semi-conductor switch
M12-plug-in connector



DE27 without display
0...4 ⇒ 0...100 mbar
4...20 mA, 2-wire,
M12 plug-in connector



DE27 with LC-display
0...4 ⇒ 0...100 mbar
4...20 mA, 2-wire,
M12-plug-in connector



DE47 without display
0...4 ⇒ 0...100 mbar
4...20 mA, 2-wire,
M12 plug-in connector



DE47 with LC-display
0...4 ⇒ 0...100 mbar
4...20 mA, 2-wire,
M12-plug-in connector



DE44 with LED-display
4 ⇒ 0...250 mbar
0/4...20 mA, 0...10 V,
additional switching outputs
3-wire, M12-plug-in connector



DE45 with LED-display
4 ⇒ 0...250 mbar
0/4...20 mA, 0...10 V,
additional switching outputs
3-wire, M12-plug-in connector



DE45 control panel version

FISCHER Mess- und Regeltechnik GmbH supplies an excellent customised range of models for all of these applications.

Distinguishing features of these measuring instruments are:

- Long-term zero-point stability for drift-free operations
- Capacitive sensors ensure high measurement accuracy
- Small measuring ranges, no turn-down
- Excellent drift properties during operations
- Very good EMC characteristics
- Large, easily readable LED or LC displays
- Measured value calibration via PC adapter
- Individually adjustable switching points
- Password protection against manipulation

Numerous reference customers operating in the fields of systems planning and systems construction as well as systems operators are proof of the quality of our products.

FISCHER Mess- und Regeltechnik GmbH offers individual concept solutions for your application. We are a family owned and managed company with fast-track decision-making processes. We offer our customers custom-designed systems and product solutions – also as OEM products.

The devices are eminently suitable for a wide variety of applications, such as

- Pressure measurements (positive and negative)
- Differential pressure measurements
- Flow measurements
- Temperature measurements
- Moisture measurements

Our experts are available to offer you detailed advice.

For our contact details please visit:

www.fischermesstechnik.de