



GEMÜ 3140
Pressure transducer/switch



GEMÜ 3240
Temperature transducer/switch

Pressure and temperature measurement systems

Areas of application

- Pharmaceutical, biotechnology and cosmetics industries
- Foodstuffs and beverages
- Industrial water treatment
- Chemical engineering
- Surface finishing
- Power generation and environmental engineering
- Mechanical engineering and processing industry

Features

- Accuracy: 0.35%/0.5% FSO in accordance with IEC 60770
- Suitable for highly viscous, contaminated and corrosive media
- Appropriate in-line housing optionally available
- With rotatable LED display and IO-Link interface
- Optional installation position

GEMÜ 3140 and GEMÜ 3240

Pressure and temperature transducer/switch

Description

The GEMÜ 3140 pressure sensor and the GEMÜ 3240 temperature sensor are ideal for precise measurements in a wide pressure and temperature range.

Due to the high-quality material selection, the integrated sensors are suitable for use with highly viscous or contaminated as well as corrosive media. A variety of electrical and mechanical connections are available, depending on version. The LED display version boasts a rotatable 4-digit display, as well as switching outputs and an IO-Link interface.

Application examples

- Detection of leakages and gauge pressure
- Detection of temperature fluctuations and temperature drops
- For cooling control systems, cooling circuits or filling processes, the respective sensors are a reliable instrument for controlling, measuring and monitoring the process pressure and process temperature

Visible

Rotatable LED display with 4-digit display (optional)

Versatile

Numerous electrical output signals and connections available



Reliable

For measuring, controlling and monitoring

Robust

When faced with highly viscous, contaminated and corrosive media

Flexible

Media wetted components available in a choice of stainless steel or plastic (PVDF)

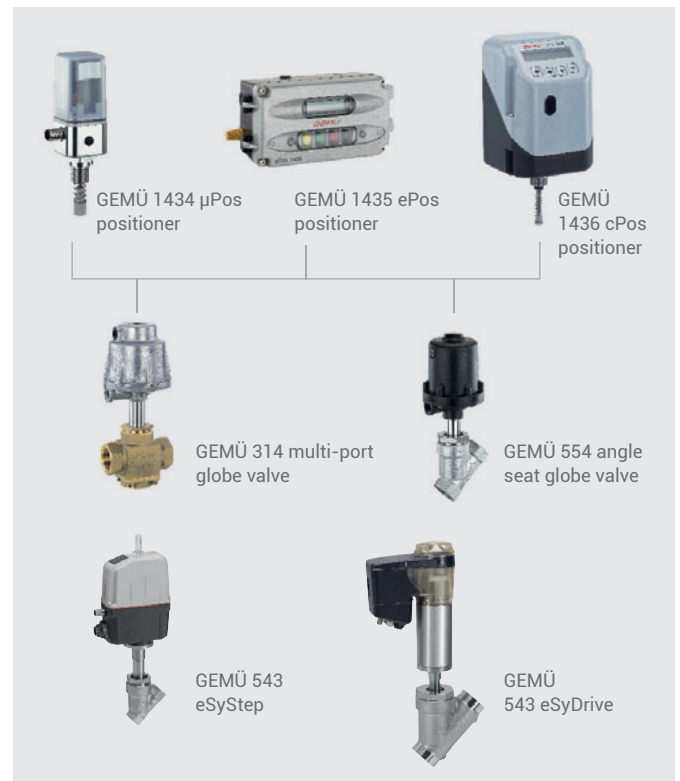
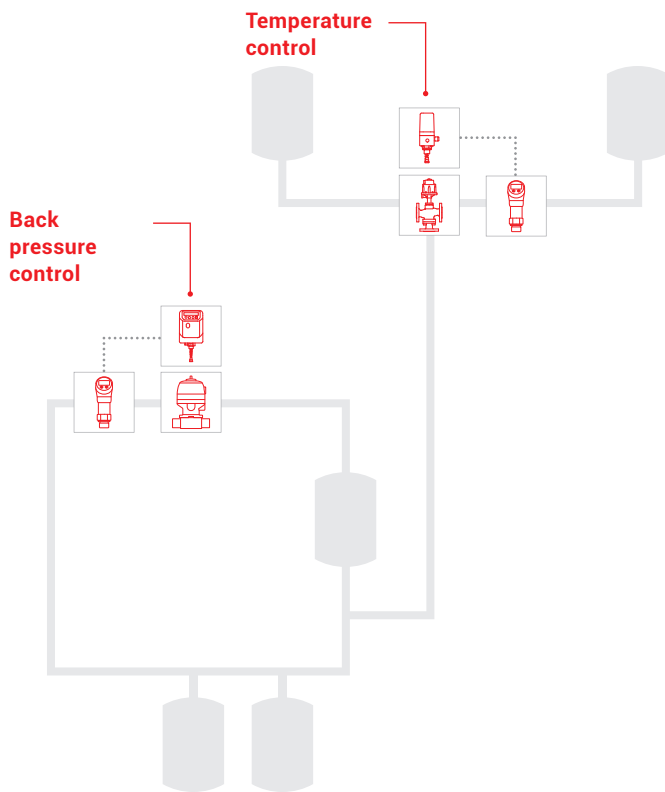
Technical specifications

| | GEMÜ 3140 Pressure transducer/switch | GEMÜ 3240 Temperature transducer/switch |
|-----------------------|--|--|
| Operating pressure* | 0 to 40 bar (corresponds to measuring range) | 0 to 160 bar |
| Media temperature* | -40 to 125 °C | -40 to 150 °C (corresponds to measuring range) |
| Materials | Process connection: 1.4404 stainless steel or plastic (PVDF) Housing: 1.4404 Stainless steel Display housing: PA 6.6 | Process connection: 1.4404 stainless steel or plastic (PVDF) Housing: 1.4404 Stainless steel Display housing: PA 6.6 |
| Mechanical connection | G¼" or G½" male thread | G½" male thread |
| Electronic connection | Type A or M 12 connector, 4-pin | M 12 connector, 4-pin |
| Output signals | 0–20 mA, 4–20 mA, 0–10 V, IO-Link | 4–20 mA, 0–10 V, IO-Link |
| Switching outputs | PNP or NPN | PNP or NPN |
| Accuracy | 0.5% FSO (in accordance with IEC 60770) | 0.35% FSO (in accordance with IEC 60770) |
| Approvals* | EAC, UL, ATEX and SIL2 | EAC |

* depending on version and/or operating parameters

All from a single source

GEMÜ solutions for pressure and temperature control



Why GEMÜ:

Would you like to use your sensor system for process automation and monitoring in control circuits? GEMÜ offers technically advanced and finely tuned valve and control systems for this purpose.

For pneumatic actuators, our positioners and process controllers are fitted ex works, tested and delivered as an entire system. A positioner and process controller is usually fully integrated in GEMÜ motorized actuators.

Not only can you obtain all components for valves, measurement and control systems from a single source, you also save on the time and effort required for logistics and installation of the system on-site, as well as for documentation.

Our specialists will be pleased to support you directly in the design of our control valves.

