Industrial applications

Pharma

In the pharmaceutical industry, electronic pressure gauges play a crucial role in all processes where precise pressure control is essential, particularly in water purification systems (Purified Water, Injectable Solution Water) and in many production equipment. They ensure precise and constant pressure control, prevent contamination due to uncontrolled variations, guarantee consistent flow rates, and meet the strict requirements of quality and safety standards.

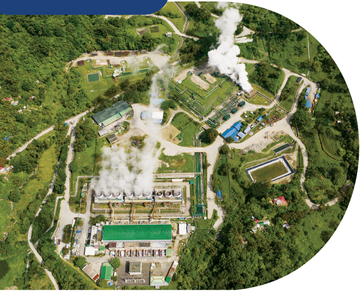
This iscomplemented by a growing demand for digital temperature switches, which are equally indispensable in managing critical temperatures. In sterile production lines, reaction vessels, cold rooms, or storage and transport systems, these instruments allow for continuous monitoring, effective threshold management, and complete traceability of temperature variations.

In the water treatment industry, electronic pressure switches play a central role in controlling and regulating pumping, filtration, and distribution systems. They allow for precise adjustment of pressure according to actual network needs, guarantee a constant water supply, protect installations from overpressure or underpressure, and contribute to optimized resource management by automatically starting or stopping pumps.

Mirroring these pressure requirements, digital temperature gauges have become indispensable for monitoring and controlling temperature variations in processes where temperature directly affects water quality. Whether it's for securing thermal disinfection steps, stabilizing conditions in reservoirs to prevent microbial growth, or maintaining the performance of sensitive filters and diaphragms, these instruments ensure fine regulation and full traceability of critical temperature thresholds.

Water

Geothermal



In geothermal energy, electronic pressure gauges play a crucial role in controlling pressure within pumping and fluid circulation circuits. Whether it's geothermal heat pumps or deep or shallow ground water pipes, they ensure stable regulation, prevent overpressure, minimize pressure drops, and protect sensitive equipments. This rigorous control ensures continuous operation, energy efficiency, and the safety of the installation.

In addition to these hydraulic constraints, precise temperature control is an absolute necessity in any geothermal system. Digital temperature switches allow for precise monitoring of thermal variations in the circuits, ensuring optimal heat exchange, optimizing the performance of geothermal heat pumps, and detecting any temperature deviations that could damage equipment or drastically reduce system efficiency. Their continuous monitoring capabilities and high accuracy enhance the durability and performance of installations, while also facilitating traceability of operating conditions.

38 partners | **20** sectors | **100** countries

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ELECTRONIC *PRESSURE & TEMPERATURE SWITCHES*

Smart Ready

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ELECTRONICAL PRESSURE & TEMPERATURE SWITCHES

SMART READY

The industry is accelerating its digitalization, and we are with it.

Georgin, an expert in industrial process safety, is expanding its range of intelligent electronic measurement and control instruments.

New electronic series:

- Pressure: YSP
- Temperature: YST

A new generation of Georgin transmitters for a safer, more connected, and more efficient industry.

Needs

Digitalization of processes.
Strong demand for connected sensors, growing need for real-time process data, without compromising safety.

Miscellaneous measurements.
Monitoring multiple physical values allows for optimal process control. Pressure and temperature are critical parameters in many industrial applications.

Benefits

As robust and reliable as a mechanical solution

Reduced TCO (stock, maintenance, training)

Quality and ease of process

Quick integration and modularity

« This new Smart Ready range reflects our commitment to innovation and continuous improvement. » - Laurent, Innovation Chief Officer

3-in-1

1. Transmitter

2. Switch

3. Display

... and soon incorporating a communication protocol.

The YSP/T series embody a new benchmark in pressure and temperature instrumentation. Designed to meet the needs of industrial users in terms of reliability, digitalization, and ease of use, these electronic pressure and temperature gauges combine mechanical strenght, electronic intelligence, and advanced ergonomics.

Add-on services

Factory setup

- We deliver the device pre-calibrated for a hassle-free installation.

Separate mounting

- Our range of separators allows you to address corrosive or fouling applications. A wide choice of materials and connections is available for perfect adaptation to all processes..

Measurement elements

- The ideal companion to create a temperature switch that meets your needs, we provide measurement elements for the YST, sized according to your requirements, Pt100 or thermocouple, adaptable in length, and capable of being completed with various sliding connections..

Product's incentives

Exceptional toughness
The YSP/T series resists in all conditions thanks to its monolithic stainless steel housing, qualified for maximum protection against dust, moisture, UV and salt spray (IP66 / IP67 / IP69K). It is designed for high resistance to shocks and vibrations and can withstand a burst pressure twelve times higher than the nominal pressure.

» Robust, Maximum Protection, Resistant

An ergonomics designed for operators
Its intuitive electronic interface allows for simple adjustment, a configurable multicoloured display, and access to min/max memory for analysing process drifts. Its touch buttons have high sensitivity, and their comfortable size guarantees maximum usability on site.

» Readable, User-friendly, Configurable

Simplified installation and commissioning
Our models have been designed to drastically reduce installation and wiring time. The standard connections allow for rapid integration. The rotating housing of the sensor allows you to orient the display and connector even after installation.

» Positionable, Adjustable, Turnkey

Switching LEDs
Two highly visible LEDs indicate the status of the switching outputs.

Displaying the value
The four-digit display is displaying the process values in red or green.

Enhanced toughness
The product has excellent resistance to shocks and vibrations, up to 50g.
The operational lifespan exceeds 100 million cycles.

Positionable
The sensor head can rotate freely by 340° and the screen can be reversed by 180°, simplifying electrical and process interfacing.

Inclined display
The 45-degree angle of the indicator provides increased comfort and readability.

Status LEDs
Additional LEDs confirm power, signal errors, or indicate an active locking.

Heavy-duty reading
The cap is made of scratch-resistant, temperature-resistant, and shock-resistant plastic.

Touch buttons
Three touch-sensitive pads with a large surface area provide easy navigation through menus, even while wearing gloves.