

SIEMENS



PROCESS INSTRUMENTATION

Processes **require precision**

Reliable, low-maintenance pressure measurement with
SITRANS P320 and P420

usa.siemens.com/pressure

SITRANS P320/420 is the first pressure transmitter on the market to feature remote safety handling. The instruments' remote safety handling via SIMATIC PDM saves time during SIL commissioning: rather than manually attending to each individual device across a facility, operators can program transmitters from the control room. This reduces the commissioning time in applications requiring functional safety.

Pressure transmitters with **remote commissioning of functional safety**

SITRANS P320/420's user-friendly features include a new enhanced HMI. The large display, shows the device's status at a glance. Setup is convenient and quick, thanks to four-button programming, text-based menus, and NAMUR NE107 support.

The reduced response time of the devices optimizes process efficiency by speeding up the control system's response to changing application environments.

The devices are suited for applications where safety is critical: in industries such as chemical, oil and gas, and power generation.

Both pressure transmitters have an increased proof test interval over other devices on the market, significantly lowering maintenance costs with testing periods of up to fifteen years rather than every two.

SITRANS P320

High measuring accuracy of 0.065%

- Developed according to IEC61508 standards for SIL2/3
- Enhanced HMI display: large and improved display with NAMUR NE107
- 4-key operation via text-based menus
- Remote safety handling

SITRANS P420

High measurement accuracy of 0.040%

- Ready for digitalization - internal recording of measured values. 1500 points for trend logging, event counters and limit monitoring.
- Developed according to IEC61508 standards for SIL2/3
- Enhanced HMI display: large and improved display with NAMUR NE107
- 4-key operation via text-based menus
- Remote safety handling

Reliable measurements thanks to professional calibration services

Demands on accuracy, reliability, and availability of measurement instruments are steadily increasing. Our Siemens Industry Services provide complete, traceable calibration of your pressure transmitters. Equipped with expert knowledge of the devices and advanced, high-precision hardware, a Siemens technician can perform calibration services on-site or off-site.



Efficiently service and maintain intelligent field devices

Field devices are the eyes and ears of automation. The failure of a valve positioner, temperature, flow or pressure sensor can quickly lead to serious malfunction of the process. With SIMATIC PDM Maintenance Station V3.0, Siemens offers the right solution for efficiently monitoring the condition of smart field devices, irrespective of the automation and control systems used.



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