

labom

MEASUREMENT TECHNOLOGY

Made in Germany. Since 1968.



S-LINE

PRESSURE AND TEMPERATURE
TRANSMITTER AND SWITCH

Process Industry



INSTRUMENTATION FOR ALL APPLICATIONS IN PROCESS INDUSTRY

For monitoring and regulating
pressure and temperature processes

The S-Line

is a new generation of process instruments, which can measure, switch and display. They are suitable for almost any application with a large number of matching process connections. Parameters can be assigned in the smart devices via PC software and with capacitive keys. The floating contacts (galvanically isolated from the analog output) are another plus for the S-Line. Flexible pin assignment and high switching capacity up to 1 A.

Applications

The S-Line of devices are particularly suited for hygienic applications and have been constructed in accordance with EHEDG recommendations. The instruments, which are constructed with high-grade steel and with no notches or indentations in the casing, are intended for use in areas where great care is needed in the food and pharmaceutical industries, in chemical applications or in biotechnology. Other custom options, like electroplated wetted parts and a quality certificate based on inspection certificates, are available.



Display

4-digit, luminescent indication module that can be turned through approx. 300°

Can be mirror-imaged by 180° when installed upside down

Very easy to use with symmetrical symbols and variable key functions

Measured value and unit can be displayed alternately



Contacts

Contact settings take unit into account

2 floating, electrical contacts

Contacts with up to 1 A switching current

A range of switching functions



Case

High protection against moisture

Hygienic, curved casing with no notches or indentations

Capacitive keys with no gaps

Stainless steel DIN material No. 1.4301 (304)

Electrical connection rotatable by 300°



Software

Visualization and parameter assignment via PC

- Upper and lower range values
- Display time, mirror-imaging, decimal point
- Switching functions
- and much more



Technology

Highly accurate digital transmitter

Output signal 4...20 mA (2-wire)

Galvanic isolation between transmitter and outputs

Rapid sampling rate



S-LINE PRESSURE

The pressure transmitters/pressure switches are suited for measuring the relative and absolute pressures of gases, vapors and liquids. They display the measurement and transmit a current signal proportional to the pressure. They have two optional contacts.

- Spans range from 100mbar to 400bar rel.; 1 bar to 6 bar abs.
- Accuracy $\leq 0.2\%$
- Degree of protection EN 60529 IP 65, IP 67 optional
- Climatic category DIN EN 60721 3-4, 4K4H
- Piezoresistive measuring element
- Parameterization via PC software COMLINE.S
- All standardized and OEM process connections available
- Process temperature to 400°C



PASCAL CS
Food / Pharma / Biotechnology



PASCAL CS with
variable hygienic adapter



PASCAL CS
Chemistry/Petrochemistry



PASCAL CS
General application



Clamp on GS
Surface temperature
measurement



MiniTherm GS
General application
All connections



MiniTherm GS with
separate thermowell



MiniTherm GS with
Clamp-connection

S-LINE TEMPERATURE

The multifunctional temperature transmitters/temperature switches are used to measure and regulate temperatures in tanks and pipes or to measure the pipe surface temperature especially in hygienic environments.

- Hygienic design, process connections approved by EHEDG
- High accuracy, fast response time
- Compact small design
- Parameterization via PC software COMLINE.S
- Protection type IP 67
- Climatic category DIN EN 60721 3-4, 4K4H
- Output signal 4-20 mA (2-wire)
- Wetted parts stainless steel

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