



## THERMOMETERS

■ All the thermometers are gas-filled systems. Ranges between -200/+800°C. Available in ø63, ø80, ø100, ø160, ø200 and ø250mm cases and in square and rectangular cases.

### RIGID STEM THERMOMETERS

■ Stainless steel rigid stem thermometers.



### EVERY ANGLE THERMOMETERS

■ Stainless steel thermometers with knee joint.



### REMOTE READING THERMOMETERS

■ Stainless steel thermometers with capillary available in all lengths up to 100 meters



### SQUARE & RECTANGULAR THERMOMETERS

■ Thermometers in glass fiber reinforced Noryl cases:

- 72x72 mm
- 96x96 mm
- 144x144 mm
- 192x192 mm
- 72x144 mm
- 96x192 mm

■ With or without electrical contact



### SUBSEA THERMOMETERS

■ Thermometers suitable for water depths down to 6000 meters subsea. Made from barstock stainless steel 316L.



### THERMOMETERS WITH SANITARY CONNECTION

■ Available standards/connections include: DIN, SMS, APV, IDF, ISO and VARIVENT.



### THERMOMETERS WITH CONTACTS

■ Magnetic contacts

■ Inductive contacts

■ Microswitch contacts

■ PT100 sensor

■ (Built-in) transmitter with 4-20mA output



### EX-CERTIFIED THERMOMETERS

Producer is ATEX and IECEx certified. Therefore most thermometers can have an ATEX approval and most thermometers with inductive contact can have an ATEX or IECEx approval.



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## PRESSURE GAUGES

### HIGH PRESSURE GAUGES

- High pressure gauges with full safety pattern. Available in 2000, 2500, 3000, 4000, 5000, 6000 and 7000 bar. Psi scales available. Used standards:
  - EN837-2
  - DIN16001



### TANK LEVEL GAUGES

- Self-powered system, dials made to customer specifications. Lloyds approved.



### PRESSURE GAUGES WITH CHEMICAL SEAL

- For corrosive and clogging media in (petro) chemical industries or hygienic applications in the pharmaceutical and food & dairy industries.

Suitable for regular pressure gauges, differential gauges and transmitters. Can also be used in combination with capillary for remote reading. Available in a great number of different designs and exotic materials.



### DIFFERENTIAL PRESSURE GAUGES

- Ranges from 6 mbar up to 25 bar with static pressures up to 400 bar.

Capsule, single/ double

diaphragm and double bourdon systems.

Available with chemical seals.



### SQUARE & RECTANGULAR PRESSURE GAUGES

- Pressure gauges in glassfiber reinforced Noryl cases. For pressure ranges between 0-4 mbar and 0-1600 bar. With or without electrical contact.



## PRESSURE GAUGES

### SUBSEA PRESSURE GAUGES

- Pressure gauges suitable for water depths down to 6000 meters subsea. Compensated subsea pressure gauges and subsea gauges made from barstock stainless steel 316L.



## CHART RECORDERS



### STAINLESS STEEL RECORDERS

- All stainless steel 316L circular chart recorders for temperature, pressure or a combination of both (duplex or triple). Different case styles, portable, flush, surface, or 2" yoke mounting. Available charts 6", 9" and 12".



ATEX certification available

### PELICASE™ RECORDERS

- Circular chart recorders for temperature, pressure or a combination of both (duplex or triple), in rugged Pelicase™ design. Different case styles, portable or 2" yoke mounting, charts 9" and 12". Also available in grey, orange or yellow.

### CIRCULAR CHART RECORDER FOR DRILLING RIGS

- Accurate recording of casing and tubing pressures. Separates drilling mud from hydraulic fluids. Ideal for analyzing cementing, acidizing fracturing and gravel packing issue.



## CALIBRATION EQUIPMENT

### DEADWEIGHT TESTERS

- **Oil driven**  
Ranges up to 2000 bar. Accuracies: 0,015%, 0,01% and 0,008% of reading.

- **Gas operated/Oil lubricated**

Ranges up to 200 bar. Accuracies: 0,01% and 0,008% of reading.

- For pressure calibration
- For differential pressure calibration



0,015% of reading (single or double piston)



0,01% of reading / 0,008% of reading

### TEST PRESSURE GAUGES

- Gauges in ø160, ø200 and ø250mm. Range ≤ 1000 bar.
  - 0,6% F.S. according to 837-1
  - 0,25% F.S. according to 837-1
  - ASME B40.1 Grade 2A
  - ASME B40.1 Grade 3A



More than 50 years of experience in manufacturing state-of-the-art instruments:

- Thermometers
- Pressure gauges
- Chart recorders
- Calibration equipment

### SPECIALTIES

- small-batch production runs
- specials based on customer specifications
- 2 year warranty
- short and reliable lead times
- virtually any dial in any color can be printed without affecting lead time

### INDUSTRIES

- oil and gas
- on and offshore
- chemical and petrochemical
- shipping
- pharmaceutical
- food and dairy

### CERTIFICATES

Factory certified according to ISO9001, ATEX and IECEx.

All instruments are manufactured in full compliance to the European Pressure Equipment Directive 2014/68/EU(PED).

Certificates are available

### EX-CERTIFIED PRESSURE GAUGES



### PRESSURE GAUGES WITH CONTACTS

- Magnetic contacts
- Inductive contacts
- Microswitch contacts
- (Built-in) transmitter with 4...20mA, 0...20 mA or 0-10 Vdc output

