

Barksdale – Future Engineering the future

Today's markets demand suppliers that are flexible and dynamic – for innovative new products, efficient management and comprehensive customer service.

Our products cover the full range of mechanical and electronic pressure, temperature, level and flow control for liquid and gaseous media. With premium production solutions, they provide the highest standards of performance and reliability for the most challenging control tasks in any manufacturing environment.

Barksdale has the advantage of over 50 years market experience, a global distribution network and is part of the Crane Co. family, one of the world's largest manufacturers of engineered products. These facts guarantee you a perfect solution.

The special environment of shipbuilding demands specific quality of the measurement products. Certified with the GL-approval, Barksdale products are used every day in all areas of the shipbuilding and onboard ships on the world's oceans.

With our experience, know-how and our personal involvement we provide solutions to your desires and demands.



by courtesy of HDW



Marine Products



Control
every move

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Barksdale
CONTROL PRODUCTS
CRANE Barksdale, Inc./Barksdale GmbH
A Subsidiary of Crane Co.

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Marine Barksdale – Marine Products Products

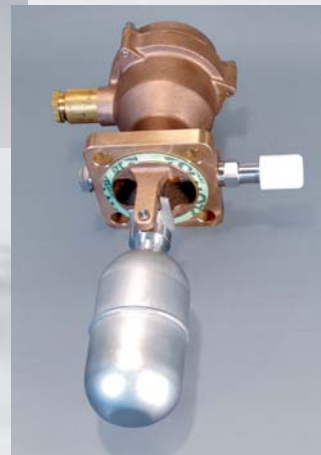
Level Switches



- ▶ Simple and multiple switches (SPTS or SPTD reeds)
- ▶ Metal versions
- ▶ GL-approval
- ▶ Protection class IP54...IP68
- ▶ ATEX approval

Applications

Level and gauge measuring of tanks and vessels with liquids like fresh water, ballast water, fuels, oils etc., bilge controlling, pump controller



Electronic Level Measuring

- ▶ For continuous level and gauge measuring
- ▶ Measuring height 0.6...200 m WC
- ▶ Probe material CuNiFe alloy
- ▶ Resistant against seawater
- ▶ Linearity 0.35% resp. 0.25% f.s.
- ▶ Rugged, reliable and long term stability
- ▶ Option: EEx i a IIC T4, Zone 0
- ▶ GL-approval



Applications

Continuous level and gauge measuring of tanks and vessel with liquids like fresh water, ballast water, fuels, oils etc. due to quasi flush diaphragm also for higher viscous media (heavy oil, sludges) suited, bilge controlling

Bourdon Tube Pressure Switch

- ▶ Ranges up to 1250 bar
- ▶ 1, 2, 3 setpoints
- ▶ Optional EEx d and EEx i versions
- ▶ For minimal to high contact loads
- ▶ Precise Bourdon tube sensor in stainless steel
- ▶ GL-approval

Applications

hydraulic systems, high voltage switch gear



Diaphragm Seal Piston Pressure Switches

- ▶ Pressure ranges from -1 to 42 bar
- ▶ As piston switch up to 900 bar
- ▶ Optional with setpoint scale
- ▶ EEx i available and Ex-proof to CSA and UL for minimal to high contact loads
- ▶ GL-approval
- ▶ Rugged and economical

Applications

Hydraulics, pneumatics, water treatment systems, osmosis systems, control of bilge pumps and fire pumps



Electronic Pressure / Temperature Switch

UDS 7 / UTS 7 with LED display

- ▶ For pressure monitoring with stainless steel diaphragm
- ▶ 2 switching outputs, 1 analog output
- ▶ Protection class IP65 (plug), IP67 (cable)
- ▶ Pressure ranges:
 - 0...1 bar to 0...10 bar gauge
 - 1...0 bar to 0...1000 bar relative pressure
- ▶ Temperature ranges: -30 °C...+150 °C
- ▶ Display: 4-digit Dot-Matrix-display, green, 5 mm height
- ▶ Microprocessor controlled, self-monitoring
- ▶ All parameters programmable via keypad
- ▶ Accuracy class 0.5% f.s.
- ▶ GL approval
- ▶ ATEX approval

Applications

Hydraulics and pneumatics, pump controller



Electronic Pressure and Temperature Sensor

UPA3, UPA2 UTA3, UTF3

- ▶ For pressure and temperature monitoring
- ▶ Pressure ranges: 0...200 mbar up to 0...1000 bar
- ▶ Absolute and gauge
- ▶ Temperature ranges: -30 °C...+150 °C
- ▶ Zero and span adjustable
- ▶ Rugged stainless steel version
- ▶ Protection class IP54/IP67
- ▶ ATEX-approval
- ▶ GL-approval

Applications

Pressure and temperature measuring and transmitting to separate monitoring systems, monitoring of parameters in hydraulic and pneumatic aggregates and plants

Tank Level Gauging USE 3000

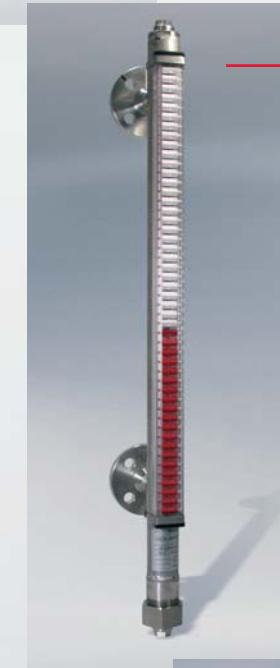


- ▶ Continuous level monitoring with/without auxiliary power
- ▶ Incremental accuracy 4 mm, 6.4 mm or 12.5 mm (screen)
- ▶ Metal versions
- ▶ Integrated transmitter option
- ▶ Protection class IP54/IP68
- ▶ ATEX-approval
- ▶ GL-approval

Applications

Continuous level and gauge measuring of tanks and vessel with liquids like fresh water, ballast water, fuels, oils etc., ship-building, offshore

Bypass Level Indicator



- ▶ Continuous level indication, purely mechanical, no power needed
- ▶ Temperatures up to +320 °C
- ▶ Pressures up to 250 bar
- ▶ Metal versions
- ▶ Mounting tank side by-pass or tank top
- ▶ Optional transmitter 4...20 mA, also with ATEX available
- ▶ Optional analogue output signal for remote indication
- ▶ GL-approval

Applications

Replaces sightglasses, level monitoring where legibility up to 30m is needed, oil tanks

Mechanical Temperature Switch

- ▶ Measure ranges: -45 °C...+316 °C
- ▶ For fluids and gases
- ▶ Temperature environments compensation
- ▶ For minimal to high contact loads
- ▶ EEx d- and EEx l versions available

Applications

Power packs, heat exchanger, heat tracing, control of cooling water

