Load Cells for Offshore Applications

Product Overview



SMART SOLUTIONS FOR DEMANDING INDUSTRIES

BLH NOBEL

A VPG Brand

Load Cells for Offshore Applications

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At BLH Nobel,

we have been supplying load cells to the offshore industry for more than 40 years. Today we are a leading global supplier of high quality customized products.

Our solutions are often found in winches and mooring applications as well as cranes.

Solutions tailored to your application:

- Extensive application knowledge
- Tailor-made load cells
- Field replaceable amplifiers
- High ingress protection

Applications

- Cranes
- Winches
- Mooring
- Cable laying

... more







WE BELIEVE IN
RELIABILITY.
That's why our products are designed to withstand the toughest and roughest conditions such as vibration, overload and humidity.

WE BELIEVE IN
CONTROL.
That's why our load cells provide high accuracy, repeatability and correct measurements for weight and force.

WE BELIEVE IN
QUALITY.
That's why we design, build, and deliver a custom made solution with very competitive lead times. Our strength is our engineering expertise, our flexible and agile organization, tailoring the solution to your specific need.

Our load cell engineers design products that offer the best combinations of robustness, reliability, and accuracy to fit specific requirements of forces or weights, space, accuracy, and environmental conditions. Whether your requirements involve a crane application or a subsea application, we have the expertise needed to provide a solution. We offer customers the benefits of our experience in solving complicated application problems (as well as standard ones) using the principles of KOSD, KIMD, KISD, KEND, and many other types of load cells.

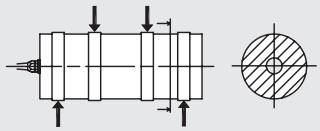
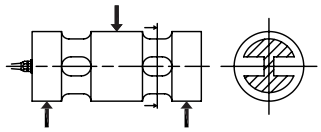
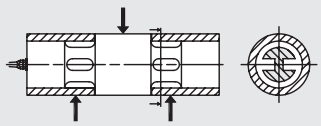
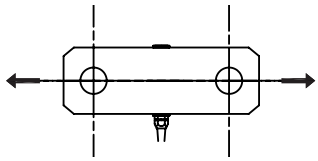
All our load cells can be delivered with embedded amplifiers with an output signal of 4–20 mA; either fixed or field replaceable (plug n' play) version.

All load cells are available with both ATEX and IECEx.

Ingress protection IP67 is standard, IP68 is available. All load cells are delivered with 3.1 material certificates, 3.2 are optional.

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Load Cell Type	Description	Operation Principle
KOSD 	**Double-ended shear beam with circular cross section** Robust construction with high ingress protection for force measurement, e.g., mooring, winces, cranes, etc. • Capacity: 0.5 kN to 20 MN • Combined error: 0.5% to 2.0% of R.O. • Cable or connector • ATEX and IECEx approved • IP67 or IP68	
KIMD 	**Double-ended shear beam with I-beam cross section** High-accuracy load cell for weighing and force measurement, e.g., cranes • Capacity: 0.5 kN to 20 MN • Combined error: 0.2% to 0.5% of R.O. • Cable or connector • ATEX and IECEx approved • IP67	
KISD 	**Double-ended, double-cantilever shear beam with I-beam cross section** High accuracy load cell for weighing and force measurement, e.g. cranes, cable laying, etc. • Capacity: 0.5 kN to 1 MN • Combined error: 0.1% to 0.3% of R.O. • Cable or connector • ATEX and IECEx approved • IP67	
KEND 	**Tension Link** High accuracy load cell for tension force applications • Capacity 10 kN to 2 MN • Combined error 0.1% • Cable or connector • ATEX and IECEx approved • IP67 or IP68	

Amplifier Type	Description
	Outputs: All load cells are optional one or two (redundant) bridge outputs. Standards are mV/V, analog 4–20 mA are optional.
LCAMP100 	Field replaceable embedded digital analog amplifier. Single or redundant applications. • 2 wire 4–20 mA output • 10 point linearization • HART communication • 5 ms response time • ATEX and IECEx approved [KXXD-RA(D)]
LCAMP300 	Fixed embedded digital analog amplifier. Single or redundant applications. • 2 wire 4–20 mA output • 3 point linearization • 5 ms response time • ATEX and IECEx approved [KXXD-FA(D)]

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