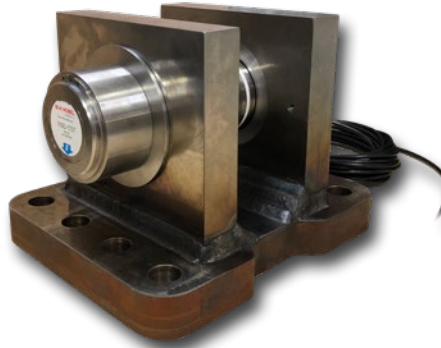


Pitch Compensation System

Market Solutions



Accurately Measuring Force and Tension under Offshore Conditions

Features

- Unique load cell design delivers accurate, actual force measurements in offshore conditions
- Software is designed for application-specific force and pitch compensation
- Load cell condition monitoring
- Supports a variety of analogue and digital output signals
- Compatible with various deck equipment such as DCE, LCE, tensioners or winch systems

Applications

- Cable tensioner systems
- Cable winches
- Drum cable engines



Accurate Real-Time Data Measurements to Eliminate the Guesswork

Our unique BLH Nobel system consists of specially-designed load cells, a pitch compensation module (PCM) and an instrument uploaded with state-of-the-art application-specific software.

A full set of load cells is mounted between the equipment and the vessel deck in order to measure the entire mass. The PCM sits on the equipment, and the G4 instrument is located in the control room or a suitable cabinet.

The instrument measures all load cell outputs including the PCM data and creates output signals in relation to the ship movement (pitch), actual tension, and all forces acting on each load cell. The system is completely synchronized to respond in real-time, providing actual force measurement due to the shift in mass.

Different digital options inside the instrument allows for communication with the ship's system or the operator's HMI. The G4 instrument is available with LCD or touch screen interfaces. Other options include remote access via EtherNet/IP using a Wi-Fi connection.

Data can be logged within the master system PLC to provide seamless documentation of proper handling processes, from the carousel to the sea bed.



At BLH Nobel we understand that offshore applications require highest reliability and durability. Please contact our team of engineers to engage our services towards meeting your specific requirements.

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