

PRESS RELEASE

World-First Wheelmark Approval Positions DanEI-300 as the Only Electronic Inclinometer Meeting New IMO Carriage Requirements

Daniamant DanEI-300 electronic inclinometer achieves IMO Wheelmark (Marine Equipment Directive) approval.

February 17, 2026, Frederik Jervin Graves



The Daniamant DanEI-300 electronic inclinometer has achieved IMO Wheelmark (Marine Equipment Directive) approval, becoming the world's first electronic inclinometer certified to meet IMO carriage requirements for container ships and bulk carriers.

The approval confirms that the DanEI-300 complies with the requirements of Directive 2014/90/EU (MED) for Electronic Inclinometer Equipment, following successful conformity assessment under Module B (EC Type Examination) and Module D (Quality System Assessment) by the notified body DNV (Notified Body No. 0098).

This milestone comes at an important time for the maritime industry. IMO Resolution MSC.363(92), adopted on 14 June 2013, established the Performance Standards for Electronic Inclinometers and is now being implemented through new carriage requirements. These sensors measure a ship's heel angle, roll amplitude, and roll period to improve stability safety.

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According to the carriage requirements, all new container vessels and bulk carriers of 3,000 gross tonnage and above, constructed on or after 1 January 2026, must be fitted with a type-approved electronic inclinometer to measure, display, and record roll motion. The requirement, adopted via SOLAS Regulation V/19.2.12 (Resolution MSC.532(107)), enhances stability monitoring in adverse weather.

With this certification, the DanEI-300 provides shipowners, shipyards, and system integrators with a fully compliant solution that meets upcoming SOLAS carriage requirements, offering a modern electronic alternative to traditional mechanical inclinometers without compromises on regulatory acceptance.

For shipyards, the DanEI-300 offers a plug-and-play solution that eliminates approval uncertainty during plan approval and commissioning. The MED Wheelmark ensures smooth acceptance during flag state inspection and class surveys, supporting efficient project delivery for SOLAS-regulated vessel segments.

“This approval represents a significant milestone not only for Daniamant, but for the maritime industry as a whole,” said Kevin Rough, CEO at Daniamant. “The DanEI-300 is the first electronic inclinometer to meet IMO carriage requirements, ensuring shipowners can avoid the potential for fines or port detentions by complying with new and future regulations using a proven, type-approved solution.”

The DanEI-300 is engineered for continuous and accurate heel angle measurement, with clear display and reliable performance in demanding marine environments. Manufactured under an audited quality system, the product’s MED Wheelmark approval ensures acceptance by flag states and classification societies worldwide.

Key Highlights

- ✓ World’s first electronic inclinometer with IMO Wheelmark approval
- ✓ Certified under EU Marine Equipment Directive (2014/90/EU)
- ✓ Conformity assessed by DNV (Notified Body 0098)
- ✓ Approved for IMO/SOLAS carriage requirements
- ✓ Designed and manufactured under an audited quality system



The DanEI-300 is available for installation on newbuild vessels and retrofits, providing a future-ready inclinometer solution aligned with international maritime regulations.

