

ISO 19636:2019 (E)

Ships and marine technology — General requirements for inclinometers used for the determination of trim and list of LNG carriers

Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	Safety precautions
4.1	Existing safety regulations, standards and classification societies rules
4.2	Equipment precautions
5	Design requirements
5.1	General
5.2	A Trim and list inclinometer's axes and range
5.3	Communication methods
5.3.1	Analogue current interface type
5.3.2	Digital interface type
5.4	Levelling of a trim and list inclinometer
5.5	A trim and list inclinometer's protection box
5.6	Sealing, security and unsealing
5.7	Marking serial number
6	Installation
6.1	General
6.2	Installation of a trim and list inclinometer
6.3	Alignment of a trim and list inclinometer
6.4	Alignment of a trim and list inclinometer — Ship at dry dock
6.5	Installation of a trim and list inclinometer — Ship at floating dock
6.6	Installation of a trim and list inclinometer — Ship anchored or moored
7	Accuracy
7.1	General
7.2	Uncertainty of a Trim and List inclinometer's inherent error - Factory acceptance test (FAT)
7.3	Uncertainty of reference standard -Site acceptance test (SAT)
7.4	Integrated overall accuracy
8	Verification test and certification
8.1	General
8.2	Visual examination
8.3	Verification test
8.4	Sealing
8.5	Certificate
Annex A	(informative) Verification of alignment for trim and list inclinometers
A.1	Alignment measurement for a trim and list inclinometer
A.2	Error due to incorrect alignment