

DIN ISO 22090-1:2013-01 (E)

Ships and marine technology - Transmitting heading devices (THDs) - Part 1: Gyrocompasses (ISO 22090-1:2002 + Cor. 1:2005)

Contents		Page
National foreword		3
National Annex NA (informative) Bibliography		3
1	Scope	4
2	Normative references	5
3	Terms and definitions	5
4	Performance requirements	7
4.1	Functionality	7
4.2	Continuous operation	7
4.3	Information	7
4.4	Fore and aft mark	7
4.5	Speed error correction	7
4.6	Heading information	8
4.7	Status indication	8
4.8	Alarm signal	8
5	Accuracy	8
5.1	General	8
5.2	Accuracy of transmission data	8
5.3	Accuracy under static conditions	8
5.4	Accuracy under dynamic conditions	8
6	Type tests	9
6.1	General	9
6.2	Settling time test	9
6.3	Static error (settle point error) test	9
6.4	Settle point heading repeatability test	9
6.5	Settling time on a Scorsby table	10
6.6	Scorsby test	10
6.7	Intercardinal motion test	10
6.8	Output accuracy test	11
6.9	Speed error correction test	11
6.10	General requirement test	11
6.11	Electromagnetic compatibility test	13
7	Marking and identification	13
Bibliography		15