ISO 22090-1:2002-09 (E)

Ships and marine technology - Transmitting heading devices (THDs) - Part 1: Gyro-compasses

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 2

3 Terms and definitions 2

4 Performance requirements 4
4.1 Functionality 4
4.2 Continuous operation 4
4.3 Information 4
4.4 Fore and aft mark 4
4.5 Speed error correction 4
4.6 Heading information 5
4.7 Status indication 5
4.8 Alarm signal 5

5 Accuracy 5
5.1 General 5
5.2 Accuracy of transmission data 5
5.3 Accuracy under static conditions 5
5.4 Accuracy under dynamic conditions 5

6 Type tests 6
6.1 General 6
6.2 Settling time test 6
6.3 Static error (settle point error) test 6
6.4 Settle point heading repeatability test 6
6.5 Settling time on a Scorsby table 7
6.6 Scorsby test 7
6.7 Intercardinal motion test 7
6.8 Output accuracy test 8
6.9 Speed error correction test 8
6.10 General requirement test 8
6.11 Electromagnetic compatibilty test 10

7 Marking and identification 10

Bibliography 12