ISO 16328:2001-08 (E)

Ships and marine technology - Gyro-compasses for high-speed craft

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Construction 3
4.1 Gyro-compass equipment 3
4.2 Continuous operation 3
4.3 Bearing repeater compass 3
4.4 Graduation and digital display 3
4.5 Illumination 3
4.6 Lubber line 3
4.7 Fore and aft mark 3
4.8 Installation 4
4.9 Speed error correction 4
4.10 Heading information 4
4.11 Status signal 4
4.12 Alarm signal 4
4.13 Heading information 4
4.14 Power supply 4
4.15 Interface 4

5 Performance requirements 4
5.1 Accuracy in latitudes up to 70°°°° 4
5.2 Other requirements 5

6 Type tests 6
6.1 Construction 6
6.2 Settling time test 6
6.3 Settle-point-error test 6
6.4 Settle point heading repeatability test 6
6.5 Settling time on a Scorsby table 6
6.6 Scorsby test 7
6.7 Intercardinal motion test 7
6.8 Repeater accuracy test 8
6.9 Speed error correction test 8
6.10 General requirement test 8
6.11 Interface 10

7 Marking and identification 11

8 Information 11

Annex A (normative) Advice to ship surveyors for installation of gyro-compasses and repeater compasses on board craft 12

Annex B (informative) Vehicle test 13

Annex C (informative) Equivalent requirements in this International Standard and IMO Resolutions 14

Bibliography 16