

# ISO 22090-1:2002-09 (E)

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

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
<b>1</b>	<b>Scope .....</b>	<b>1</b>
<b>2</b>	<b>Normative references .....</b>	<b>2</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>2</b>
<b>4</b>	<b>Performance requirements .....</b>	<b>4</b>
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
<b>5</b>	<b>Accuracy .....</b>	<b>5</b>
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
<b>6</b>	<b>Type tests .....</b>	<b>6</b>
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
<b>7</b>	<b>Marking and identification .....</b>	<b>10</b>
Bibliography .....		12