

**SPECIFICATIONS OF SATELLITE COMPASS
SC-110**

1 GENERAL

- 1.1 Heading Accuracy $\pm 0.6^\circ$ (95%)
- 1.2 Heading Resolution 0.1°
- 1.3 Follow-up 45°/s rate-of-turn
- 1.4 Settling Time 4 minutes
- 1.5 Position Accuracy 10 m, or 5 m (DGPS), 95% of the time
- 1.6 Heading/Nav Data Output
 - AD-10 format: 1 port (specialty port)
 - AD-10 format 5 ports or IEC 61162 format 10 ports
(selectable on menu)
 - IEC 61162 format is RS-485 level
 - Sentence: HDT, HDM, ROT, ATT, VDR, VTG, GGA, GNS
GLL, VHW, VBW, HVE, ZDA
- 1.7 Log Signal Output 1 port, log pulse (pulse signal)
- 1.8 Heading Alarm Output 1 port, alarm output (contact signal)
- 1.9 Motion Output Signal 1 port pitch, 1 port roll
- 1.10 External Heading Input 1 port AD-10 or IEC 61162 format (auto recognition)
 - AD-10: backup heading
 - IEC 61162: water tracking speed input (sentence: HDT, HDG,
HDM, VBW, VHW, VLW)
- 1.11 External Beacon Input 1 port, RTCM SC-104 format (RS-232 level)

2 DISPLAY UNIT

- 2.1 Display Type 4.5 inch monochrome LCD, 120 x 64 dots
- 2.2 Effective Area 60 mm (H) x 95 mm (W)
- 2.3 Contrast 64 levels
- 2.4 Display Mode Heading, Nav data, Steering, Compass rose, Rate of turn and
Speed modes

3 POWER SUPPLY

12-24 VDC: 1.2-0.5 A

4 ENVIRONMENTAL CONDITIONS AND EMC

- 4.1 Ambient Temperature
 - Display/Processor Unit -15°C to +55°C, Designed for protected area
 - Antenna Unit -25°C to +70°C, Designed for exposed area
- 4.2 Humidity 93% \pm 3% at 40°C

- 4.3 Waterproofing
 - Antenna Unit IPX6
 - Display Unit IPX5
 - Processor Unit IPX0
- 4.4 Vibration IEC 60945

5 COATING COLOR

- 5.1 Display/Processor Unit
 - Panel: N3.0 Newtone No.5 (dark gray)
 - Chassis: 2.5GY5/1.5 (light gray)
- 5.2 Antenna Unit N9.5 (white)