

**SPECIFICATIONS OF SATELLITE COMPASS
SC-33**

1 GENERAL

- 1.1 Frequency L1 1575.42MHz (GPS/Galileo/QZSS), 1602.5625MHz (GLONASS)
- 1.2 Tracking code C/A (GPS/QZSS), E1B (Galileo), 10F (GLONASS)
- 1.3 Attitude accuracy Heading/ Roll/ Pitch: 0.4° rms
- 1.4 Follow-up 45°/sec
- 1.5 Heave accuracy 30 cm
- 1.6 Attitude setting time 90 s approx.
- 1.7 Position accuracy (dependent on ionospheric activity and multipath)
 - GNSS 5 m approx. (2drms, HDOP<4)
 - SBAS 4 m approx. (2drms, HDOP<4)
 - WAAS 3 m approx. (2drms, HDOP<4)
- 1.8 Position fixing time 60 s approx.
- 1.9 Update interval Attitude: 50 Hz max, Position: 10 Hz max.
- 1.10 Ship's speed accuracy
 - Number of satellite ≥ 5: 0.2% of ship's speed or 0.02 kn rms, whichever is greater
 - Number of satellite 3 to 4: 1% of ship's speed or 0.1 kn rms, whichever is greater
- 1.11 Pressure sensor
 - Measuring range 850 to 1100 hPa (ambient temperature: 0 to +50°C)
 - Accuracy ±1.0 hPa (adjusted value after offset regulation)
- 1.12 Temperature sensor
 - Measuring range -20°C to +55°C (relative speed 4 kn or more)
 - Accuracy ±2.0°C (adjusted value after offset regulation)
- 1.13 Interface port NMEA2000: 1 port
 - Input PGN 059392/904, 060160/416/928, 061184, 065240, 126208
 - Output PGN 059392, 060928, 061184, 065280,
126208/464/992/993/996/998, 127250/251/252/257/258,
129025/026/029/033/538/539/540/547,
130310/312/314/316/577/578/816/817/818/819/820/822/823/826,
130833/834/842/843/845/846/847

2 POWER SUPPLY

12-24 VDC: 0.4-0.2 A (LEN: 11)

3 ENVIRONMENTAL CONDITIONS

- 3.1 Ambient temperature -25°C to +55°C (storage: -30°C to +70°C)
- 3.2 Relative humidity 95% or less at +40°C
- 3.3 Degree of protection IP56
- 3.4 Vibration IEC 60945 Ed.4

4 UNIT COLOR

N9.5