

**SPECIFICATIONS OF SATELLITE COMPASS
SC-30**

1 GENERAL

- 1.1 Frequency L1 1575.42MHz
- 1.2 Heading accuracy 0.5° rms
- 1.3 Heading resolution 0.1°
- 1.4 Follow-up 45°/sec rate-of turn
- 1.5 Heave accuracy 30cm
- 1.6 Settling time 3 minutes approx.
- 1.7 Position accuracy 10m, WAAS adjusted: 3m
- 1.8 I/O port NMEA2000

2 INTERFACE UNIT

- 2.1 I/O port
 - NMEA2000 Input: time, position, speed, heading, heave, others
Output: offset heading
 - USB for maintenance program
- 2.2 Output port
 - AD-10 1 port
 - IEC61162-1 2 port
 - Analog 1 port
- 2.3 Output interval
 - Heading, Heave 25ms, 100ms, 200ms, 1sec, 2sec
 - Speed, Position, Time 1sec, 2sec

3 POWER SUPPLY

- 3.1 Satellite compass 12-24 VDC: 0.4-0.23 A
- 3.2 Interface unit 12-24 VDC: 1.0-0.6 A

4 ENVIRONMENTAL CONDITIONS

- 4.1 Ambient temperature
 - Satellite compass -25°C to +70°C
 - Interface unit -15°C to +55°C
- 4.2 Relative humidity 95% at 40°C
- 4.3 Degree of protection
 - Satellite compass IP56
 - Interface unit IP20
- 4.4 Bearing vibration IEC 60945

5 COATING COLOR

- 5.1 Satellite compass N9.5
- 5.2 Interface unit N2.5