

## SPECIFICATIONS OF REMOTE DISPLAY RD-50

### 1 REMOTE DISPLAY

- 1.1 Display type                    8.4-inch color LCD, 640x480 dots
- 1.2 Picture color                 256 colors
- 1.3 Data indication                Ship's speed, Course, Heading, Trip, Depth, Rate of turn,  
Wind direction/speed, Rudder angle, Engine/ shaft RPM,  
Propeller pitch, Water temperature, Waypoint, Ship's position,  
Date/time
- 1.4 Remote control                Remote controller (option) required
- 1.5 Remote dimmer                Dimmer controller (option) required
- 1.6 Interface
  - Remote control                Serial 1 port, 38,400 bps,  
5 VDC output (for remote/dimmer controller)
  - Sensor                         NMEA0183 Ver1.5/2.0/3.0/4.0/4.1, Input: 1 port
  - Daisy chain (for RD-50)        Output: 1 port, 38,400bps
- 1.7 Data sentences                BWC, BWR, DBK, DBS, DBT, DPT, GLL, GNS, HDG, HDT, HDM,  
HTC, HTD, MTW, MWD, MWV, RMB, RMC, ROT, RPM, RSA,  
THS, VBW, VHW, VLW, VTG, VWR, VWT, WPL, ZDA

### 2 REMOTE CONTROLLER (OPTION)

- 2.1 Control button                DISP, UNIT, MODE
- 2.2 Interface                      Serial, Input: 1 port, Output: 1 port, 38,400bps  
5 VDC input (supplied from remote controller)  
5 VDC output (for dimmer controller)

### 3 DIMMER CONTROLLER (OPTION)

- 3.1 Control button                DAY/NT, BRILL (▲/▼)
- 3.2 Interface                      Serial, Output: 1 port, 38,400bps  
5 VDC input (supplied from remote display or remote controller)

### 4 POWER SUPPLY

12-24 VDC: 1.0-0.5 A

### 5 ENVIRONMENTAL CONDITION

- 5.1 Ambient temperature
  - Remote display                -25°C to +55°C
  - Remote/Dimmer controller    -15°C to +55°C
- 5.2 Relative humidity             95% at 40°C
- 5.3 Degree of protection        IP22, IP56 (optional waterproof box required)
- 5.4 Vibration                      IEC 60945

### 6 UNIT COLOR

N2.5