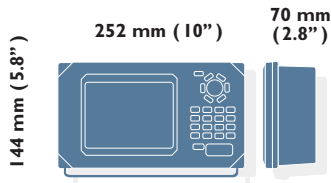
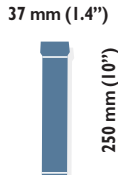


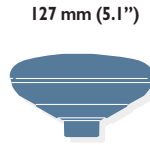
# Technical Specifications



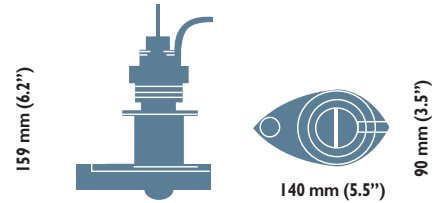
**XX33 with 6" screen**



**RS5640 GPS antenna**



**MGL-3 DGPS antenna**



**Transducer**

**Power supply:**

12 and 24V dc (9-36V dc max)  
8 - 16 Watts

**Environment:**

0 to +50°C, IEC 60945, waterproof USC  
46 CFR and IP56

**Housing:**

Casted aluminum back  
Polycarbonate front

**Weight:**

1.5 kg (3.0 lbs)

**Mounting:**

Bracket for table, ceiling and wall  
Flush mount with removable corners

**Display:**

TFT color, power backlight:  
5.7 inch 320 x 240 pixels  
or alternative

STN transmissive monochrome:

6.0 inch 320 x 240 pixels

**Presentation:**

4 pages. Manual, dedicated and remote key,  
and automatic sequencing

**Interfacing:**

1 port in/out NMEA 0180/0182/0183

1 port NMEA 2000 (optional)

**Alarm/log output:**

Alarm relay (contact closure)

200 pulses/nm (5 volt pulses)

**GPS section (CP/CE33)**

**Receiver type:**

14 channel parallel, C/A code,  
8 state Kalman filter

**Accuracy:**

**Position (DGPS):** 2-5 m RMS

**Position (SDGPS):** 3-7 m RMS

**Position (GPS):** 8 m RMS

**Speed:** 0.1 kn

**Heading:** 1°

**Speed filter:** 10 settings

**Update rate:**

1 second interval typical

**Dynamics:**

**Velocity:** 600 Km/h

**Acceleration:** 10m/S2

**Antenna types:**

DGPS patch and H-field or  
GPS quadrifilar Helix

**Mounting:**

1"14 thread (standard US)

**Cable:**

10 m RG58 standard

Max length 30 m with RG213

**Chartplotter section (CP/CE33)**

**Chart system:** C-MAP NT+

**Presentation:**

**Semi dual chart:** Two charts in two  
individual scales and detail level

**Internal memory:**

Dynamic storage with combinations of  
or totals up to:

35,000 marks/WPs

10,000 WPs w/name (25 characters)

50,000 track points

50,000 line sections

1,000 routes

**Echosounder section (EQ/CE33)**

**Frequency:** 50 or 200 kHz, selectable

**Transmit power:** 600 watts RMS (4,800 w PP)

**Display ranges:** 3 to 1000 meters in 21 steps,  
manual and auto mode

**Detection ranges:**

Frequency	Beam	Bottom
50 kHz	45°	800m/2,400 ft
200 kHz	15°	350m/1,050 ft

**Pulse length:** Short, medium, long and auto

**Max. transmission rate:** 10 ping per second

**Alarms:** Fish, max. and min. depth

**Zoom mode:**

Bottom and VRM expansion,  
6 to 50 meters, feet or fathoms

**Event markers:** At current ping and depth memory

**Picture speed:**

True distance or time, high, medium, low, and freeze

**Noise filter:** User selectable on/off

**Echo presentation:**

A-scope and white line discrimination

**Temperature:** Sensor or NMEA

**Speed:** Sensor or NMEA

**Options:**

OEM transducers

A variety of transducers is available,  
ask your dealer for more information  
DS33 Dual Station, 6 inch LCD screen  
color or monochrome, incl. 12.5 m cable.

Max cable length 25 m

Antenna cable 15m RG58

RS5345 6-channel NMEA buffer

Sunhood

Note: Specifications are subject to change without notice.