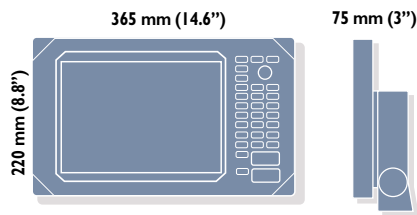
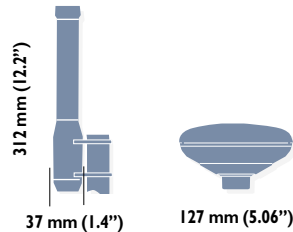


Simrad 42 Series Technical Specifications



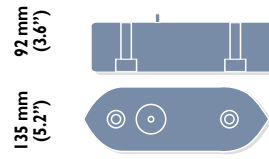
Simrad 42 series with 10" screen



RS5640 antenna



MGL-3 DGPS antenna



C50/200 and C38/200 combi transducers

Control Unit

Power supply:

12 and 24V DC (10-32V DC max)
20-70 Watts

Environment:

0° to + 50°C, waterproof USC 46 CFR and IP55

Housing:

Casted aluminum
Polycarbonate front

Weight : 3.7 kg (7.4 lbs)

Display:

Advanced Transflective TFT color, power backlight
10.4 inch 640 x 480 pixels

Presentation:

4 pages each with several window combinations.
Manual and automatic sequencing

Interfacing:

2 ports in/out
NMEA 0180/0182/0183/dual station/dataport/PC

Alarm/log output: Alarm or 200 pulses/nm

GPS section

Receiver type:

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

Accuracy:

Position : 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 : 10 m/s

Antenna types:

DGPS patch and H-field
GPS quadrifilar Helix

Mounting: 1" 14 thread (standard US)

Cable:

Max. 10m RG58 (standard)
Max. 15m RG58 (option)
Max. 30m RG213 (option)

Chartplotter section

Chart system:

C-MAP NT

Presentation:

Head Up, Nav Up, North Up,
True Motion. Dual Scale.

Marks/WP:

26 selected types with name or depth
(25 characters)

Internal memory:

Dynamic storage with combinations of,
or totals up to : 35,000 marks/VVPs
10,000 WPs w/name (25 characters)
50,000 track points
50,000 line sections
10,000 routes/waypoints

Radar section

Presentation:

Head Up, North-up, True Motion. Dual Range.

Range scales:

0.125 - 48 (36, 24) NM in 11 steps or continuous range

Minimum detecting distance:

Within 25 meters

Distance accuracy:

Better than 0.9% of maximum range of the scale
in use, or 8 m, whichever is the greater

Bearing accuracy:

1° or less

Scanner units:

Radio wave type and frequency:
P0N, 9410 ± 30 MHz
Transmitter/receiver swithcing:
Circulator and limiter type
Intermediate frequency:
60 MHz (logarithmic amplifier)

Options

TL50 Turbo Loader, external memory unit

Simrad DataCard

RS5345 NMEA buffer

Echosounder section

Frequency:

38, 50 or 200 KHz, selectable

Output power:

Variable up to 1 kW RMS per channel

Display ranges:

3 to 3000 m in 21 steps and auto

Depth range:

(With standard transducers)
Up to 550 m at 200 kHz and 1500 m at 50 kHz

Pulse length:

Short, medium, long and auto

Max. ping rate:

10 ping per second

Alarms:

Fish, max. and min. depth

Zoom mode:

Bottom and VRM expansion:

1 to 50 meter, feet or fathoms

Event markers:

At current ping and depth memory

Image speed:

True distance or time (3 steps),
1 step/ping and freeze

Noise filter:

User selectable on/off

Fish detection:

A-scope and white line discrimination

Temperature:

Transducer or NMEA

Speed:

Transducer or NMEA

Note: Specifications are subject to change without notice.