

ELECTRONIC CHART DISPLAY AND INFORMATION SYSTEM (ECDIS)

Model **FEA-2105**

- Supports safer and more efficient navigation at sea
- Complying with IMO Resolution A.817(19), IEC 61174, and related IHO standards
- Continuous monitoring of the ship position through multi-sensor Kalman filter processing using GPS, DGPS, SDME (through the water or ground tracking Doppler), gyrocompass and radars (echo reference)
- ENC operation with IHO S-57v.3 vector and ARCS raster chart systems
- Route Planning and Route Monitoring
- Grounding warnings, safe depth contours
- Superimposing radar images on the electronics charts (option)
- Target vectors and data from ARPA/radar to aid collision avoidance



The FEA-2105 ECDIS is a result of FURUNO's vast experience in the development and use of advanced computer techniques providing the highest quality marine electronics. The FEA-2105 complies with IMO Resolutions, IHO, IEC standards and satisfies the mariners stringent demands for a safe, but efficient aid to navigation. Useable charts are derived from an official ENC Database. The resultant SENC may be edited by the operator. When ENC coverage is not available, an ARCS chart may be used. Instant selection is assured as both chart databases are stored in the ECDIS memory.

The FEA-2105 has superb display resolution, using a 21" multi-color monitor (1280 x 1024 pixels). A vividly clear picture, graphics, text and data is provided for a relatively inexpensive investment. Route planning is

simplified by using advanced ergonomic operating techniques and easy to use menus. Extremely accurate position, depth, alarm data and other warning facilities assure the vessel of reliable route monitoring.

Using the FEA-2105 contributes greatly to safer vessel navigation and efficiency as well as reduced operator workload when compared to using traditional paper charts. The ECDIS primarily displays electronic charts, navigation lines, ARPA data, user defined information and offers vessel route planning and monitoring. ARPA and radar images may be overlaid on the ENC display.

The desired chart database is loaded and updated using a CD-ROM. Radar image and chart matching is easily accomplished. The standard display is a tabletop mount version with an optional deck mount pedestal being available.

SPECIFICATIONS OF FEA-2105

1. Standards

IMO Resolution A.817(19),
IEC 61174, IEC 60945 EMC/
Environment/General requirements

Monitor

2. Display Tube

21-inch high-resolution color CRT
(1280 x 1024 pixels)

Processor Unit

3. Media

4. Useable charts

Windows NT
IHO/S-57 v.3 vector chart
ARCS raster chart
C-MAP vector chart (option)
True Motion North-up,
Relative Motion North-up

5. Presentation Modes

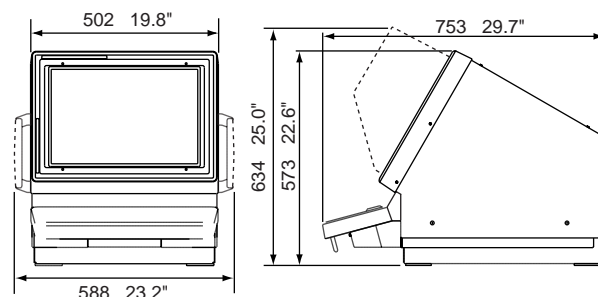
6. Display of data

Own ship: Position, SMG, CMG, heading
Route: Planned route, Monitored route
ARPA targets: Range, bearing, speed, course,
CPA and TCPA
Others: EBL, VRM, parallel index line,
cursor position, navigation and pilot
data notebook

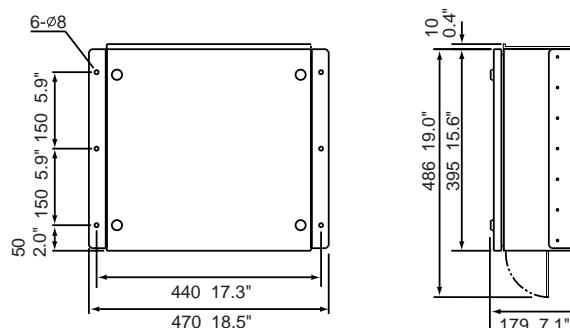
7. Interface (IEC61162-1)

Gyrocompass: 1 analog or 1 serial
SDME (Speed log): Single-pulse type or serial
EPFS: Up to 2 serial inputs 5 max.
with A-Adapter
Serial input
Water depth: Serial input
Wind sensor: Dual axis-serial input
ARPA/Radar: Serial

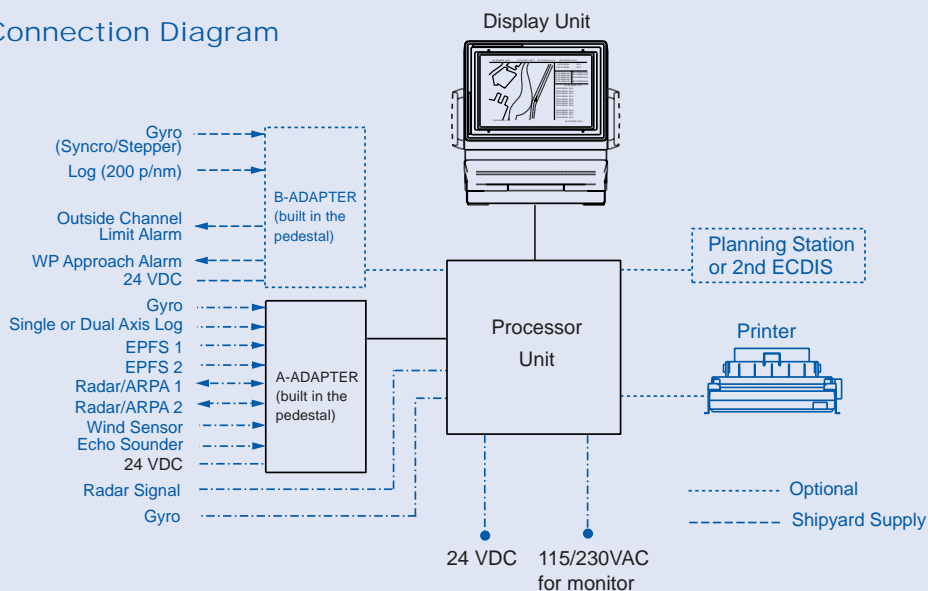
Display Unit



Processor Unit



Connection Diagram



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

FURUNO U.S.A., INC.

Camas, Washington, U.S.A.
Phone: +1 360-834-9300 Telefax: +1 360-834-9400

FURUNO (UK) LIMITED

Denmead, Hampshire, U.K.
Phone: +44 2392-230303 Telefax: +44 2392-230101

FURUNO FRANCE S.A.

Bordeaux-Mérignac, France
Phone: +33 5 56 13 48 00 Telefax: +33 5 56 13 48 01

FURUNO ESPANA S.A.

Madrid, Spain
Phone: +34 91-725-90-88 Telefax: +34 91-725-98-97

FURUNO DANMARK AS

Hvidovre, Denmark
Phone: +45 36 77 45 00 Telefax: +45 36 77 45 01

FURUNO NORGE A/S

Ålesund, Norway
Phone: +47 70 102950 Telefax: +47 70 127021

FURUNO SVERIGE AB

Västra Frölunda, Sweden
Phone: +46 31-7098940 Telefax: +46 31-497093

FURUNO SUOMI OY

Helsinki, Finland
Phone: +358 9 341 7570 Telefax: +358 9 3417 5716

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