**SPECIFICATIONS**

**GENERAL**
- IMO A.694(17), IMO MSC.74(69) Annex 3.
- IEC 60943-2, ITU-R M.825-3(DSC)

**Ship reporting capacity**
- 2250 reports per minute, 4500 reports per minute on two channels

**TRANSPONDER UNIT**
- 12-24 VDC: 7-3.5 A
- Display Unit: 12-24 VDC: 0.3-0.15 A
- AC/DC Power Supply Unit PR-240 (option)

**DISPLAY UNIT**
- 4.5” monochrome LCD
- Screen Size: 4.5” monochrome LCD
- Effective Viewing Area: 95 (H) x 60 (V) mm
- Pixel Number: 120 (H) x 64 (V)

**ENVIRONMENT**
- Ship reporting capacity
- Temperature
  - GPS Antenna Unit: -25°C to +70°C
  - Other Units: -15°C to +55°C

**TRANSPONDER UNIT**
- Waterproofing (IEC 60529)
- TX/RX Frequency 156.025 MHz to 162.025 MHz
- Antenna Unit IPX6
- RX1: Default CH87B (161.975 MHz)
- RX2: Default CH88B (162.025 MHz)

**EQUIPMENT LIST**
- Output Power 2 W/ 12.5 W selectable
- DSC Receiver CH70 fixed, 156.525 MHz, G2B, 1200 bps
- Bandwidth 25 kHz/ 12.5 kHz

**INSTALLATION MATERIALS**
- VHF Antenna Unit 150M-W2VN with bracket
- Antenna Cable Kit
  - For GPS/VHF Combined Antenna GVA-100
  - OP24-00300: 30 m, OP24-00310: 50 m
  - For GSC-001 and GPA-017S-E
  - STNC-PS-3D-15: 15 m, CP-20-02700: 30 m, CP-20-02710: 50 m

**INTERFACE**
- COM 1 - 4* IEC 61162-1/61162-2
  - Input:
    - DTM, GNS, GLL, GGA, VTB, VIO, TDS, HDT, GBS, ROT, VDM, YO, AKB, ACA, ALR, TX1, TXR1, TXR2, HDT, LRF, LRE
  - Output:
    - Note: COM 4 also functions as SENSOR input
    - IEC 60468-2

**SENSOR (input)**
- COM 4 - 6
  - Input:
    - DTM, GNS, GLL, GGA, VTB, VIO, TDS, HDT, GBS, ROT
  - AD-10 *FURUNO gyro format*

**POWER SUPPLY**
- Transponder Unit: 12-24 VDC: 7-3.5 A
- Display Unit: 12-24 VDC: 0.3-0.15 A

**ENVIRONMENT**
- Temperature
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**Software for PC**
- For installation
- For maintenance
- For operation

**TRADE MARK REGISTERED**
- Marca Registrada
- FURUNO ELECTRIC CO., LTD.
- Catalogue No. N-864b

The future today with FURUNO's electronics technology.

**TRADE MARK REGISTERED**
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- FURUNO ELECTRIC CO., LTD.
FURUNO offers reliable AIS performance for safe navigation

A Class-A Universal Automatic Identification System (UAIS) transponder, the FA-150 is designed to improve navigation safety by observing other AIS equipped ships. The FA-150 complies with relevant international regulations and standards (e.g., IMO, ITU-R, IEC) as well as national class requirements. The FA-150 offers real-time information exchange of your own ships data and other AIS-equipped ships or coastal stations within VHF coverage. Information that is exchanged includes static, dynamic, voyage related data, as well as short safety-related messages.

The FA-150 consists of a GPS antenna, a transponder unit, a display unit and other associated equipment. The internal GPS receiver provides UTC reference for system synchronization. It also gives position, COG and SOG if no external positioning equipment is connected. There are two types of configurations for the antenna unit: GPS and VHF combined and separate antennas. Both types of GPS antennas feature a special interference shield that allows superior performance when they are in an area of influence by equipment such as radar and satellite phones. An exceptionally compact GPS antenna is also available in the separate configuration. The FA-150 can be interfaced with Radar and ECDIS, allowing AIS information to be displayed on them.

No additional interface units are required for connection to the latest FURUNO radar FAR-21X7/28X7 series or ECDIS FEA-2107/2807 series. Use of the WAGO connectors simplifies installation and connection.

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