SmartFind
GMDSS NAVTEX Receiver

Tri Channel Professional Colour NAVTEX. Provides automatic reception of maritime safety and weather information at sea.
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The SMARTFIND Global Maritime Distress and Safety System (GMDSS) NAVTEX provides clear and up-to-date NAVTEX maritime safety information. Three parallel digital receivers simultaneously provide tri-channel monitoring of the international 518 KHz English language service, 490 KHz national language and the 4209.5 KHz long range NAVTEX services. It can either be operated as a stand-alone unit or as part of an integrated navigation or bridge system. SMARTFIND GMDSS NAVTEX is suitable for use on all types of commercial vessel.

Technical Specifications

Display
6 inch, ½ VGA (480 x 320 pixels) Daylight viewable colour STN with adjustable backlight and screensaver

Controls
Backlight/contrast key, Enter key, four soft menu keys, Tracker pad

Receivers
Receiver A: Frequency 518kHz · Receiver B: Frequency 490kHz · Receiver C: Frequency 4209.5kHz
Sensitivity: <2 microvolts · Frequency stability: +/- 10Hz

Connectors
15 way D-type: Power, Alarm & COM 1 data · (2m cable supplied with connector pre-wired)
9 way D-type: Printer/COM 2 · Antenna connector: 50 ohm TNC · Ground connector: 1/8” Spade terminal.

Data interface
COM 1: RS422 (NMEA 0183) IEC 61162-2 serial port · COM 2: RS422 (NMEA 0183) IEC 61162-1 serial/printer · Baud rate: 4800, 38400, 115200 · NMEA sentences supported: (in priority order) RMC, GLL, ZDA for UTC and NRX, NRQ, NMK, ACK, ALR for NAVTEX functions

Alarms
Vital/SAP message receipt (internal buzzer), Alarm state NMEA message data output COM1/COM2.
Remote alarm relay contact 1A @ 120VAC/ 24VDC

Antenna voltage output
12 V DC @ 100mA (selectable)

Antenna type (option)
50 ohm, dual band 490 - 4209.5KHz active or passive

NAVTEX message memory
300 x 500 character messages per receiver (minimum)

Dimensions
219W x 151H x 76D mm (excluding connectors) · Weight: 1100g (including bracket)

Environmental
Operating Temperature Range: -15° to +55°C · Storage Temperature Range: -20° to +55°C · Humidity: 0 to 95%, non-condensing · Compass safe distance: 0.87m

Mounting
Desk-top or bulkhead (flush panel fixing kit included)

Power
Voltage range: 12/24 V DC nominal (10.8 V to 31.2 V) · Consumption: with backlight on 8.6 W @ 24 V DC · Internal auto resettable fuse @ 1.8 A DC

Technical Standards
IMO Resolutions, MSC.148(77) A.21 (17) · SOLAS Regulation IV/7.1.4, ITU-R M.540-2, ITU-R M.625-3 · IEC 60945-4, IEC 61162-1, -2, IEC 61162-2, IEC 61097-6

Additional Sales Options
ANA1: light duty active NAVTEX antenna with 20m cable and stand-off bracket · Type A: stand-off mounting bracket for ANA2 · Type B: long reach stand-off mounting bracket for ANA2 · Type C: deck mount bracket for ANA · Antenna Cable kit for ANA2, 20m