



2-Channel 3-Frequency NAVTEX Receiver

Model NT-2000

MAIN FEATURES:

Fully Compliant with IMO Resolution MSC.148(77)

The NT-2000 is designed to fully comply with the new NAVTEX standards specified in the IMO Resolution MSC. 148(77) which came into effect on July 1, 2005.

8-inch Color LCD Display

An 8-inch color TFT LCD replaces recording paper. Taking full advantage of a color display, the NT-2000 shows search and rescue (SAR) messages in red to clearly differentiate distress messages from navigational or meteorological warnings. Three colors are selectable for the screen background for ease-of-reading, easy-on-the-eye operation under all ambient lighting conditions.

Simultaneous Reception of 518 and 490 or 4209.5 kHz

Two independently operating receivers, one with a frequency converter, are built-in to simultaneously receive international (518 kHz) and either of 490 kHz or 4209.5 kHz domestic transmissions. If both international and domestic broadcasts occur at the same time, the NT-2000 displays international channel messages, while storing local channel messages in memory for reviewing at a later time. A single keypress switches the first and second channel text pages.

Specifications

●Frequencies: 518 kHz (first receiver), 490 kHz & 4209.5 kHz (second receiver) ●Input Impedance: 50Ω (active antenna) and 10Ω+150pF (long wire)
●Antenna: 3-frequency active antenna, with 1.2m whip ●Sensitivity (1% CER): Better than 1μV/50Ω ant. input ●RF Input Protection: 30Vrms
●Receiving Emission Mode: F1B with FEC (ITU-R REC. 476-3, 540-1 and 625 B-mode) ●Reception Mode: Simultaneous reception of 518 kHz and user-selected 490 kHz or 4209.5 kHz. ●Display Screen: 8-inch color TFT LCD, daylight-viewing, backlit, with user-set screen sleep mode ●Text Display: 40 characters per line, 18 lines (message) + 2 lines (status indication & prompts) ●Message Character Font Size: Approx. 5 mm ●Message Scrolling: Line-by-line or message-by-message ●Message Storage: 200 messages (average 500 characters/message) for each of 518, 490 and 4209.5 kHz receivers ●Message Protection: Up to 50 user-selected messages for permanent storage. ●Message Outputs: All or selected displayed messages, all or selected stored messages ●Message Search: Stored message searchable by transmitter and/or message type ●Alarms: Audible and visual (message ID in red for message types A, B & L, and both message ID and text in red for message type D) ●Alarm Output: 2 pairs of relay contacts ●I/O Interfaces: RS-232C (printer), RS-422 (IBS/INS), NMEA-0182/IEC61162-1 ●Power Requirements: 24VDC (nominal), approx. 15W
●Cabinet Size & Weight: 225/245(W) X 225/271(H) X 135 (D) mm with/without mounting bracket. Approx. 3.3 kg with bracket. ●Compass Safe Distances: 80 cm (standard), 45 cm (steering) ●Ambient Temperature: -15 to 55°C (cabinet, operating, 95% RH), -40 to 70°C (antenna)

NOTE: Specifications, other than those specified under the relevant IMO recommendations and IEC specifications, are subject to change without notice or obligation.

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