



NAVTEX RECEIVER

MODEL NT-900

MAIN FEATURES:

A wide dynamic range/high sensitivity receiver assures reliable reception of NAVTEX messages in the presence of strong local LF and MF broadcasts on adjacent frequencies.

An efficient, static discharge-protected whip-type active antenna is supplied as standard, permitting limited space installation without sacrificing sensitivity. If preferred, a long-wire antenna can also be connected in place of the whip. For small vessels that do not require long distance reception, a 60 cm long whip type active antenna with reduced receiving performance is optionally available.

User-friendly man-machine interface makes the equipment easily programmable to receive only desired stations and message categories while allowing automatic printing of SAR, urgent weather warnings and other vital information on navigational safety.

Stores a total of 128 received message IDs to avoid repeated printout of the same messages, thereby saving recording paper.

Received messages can be output in universal text format via a devoted connector for use in onboard or shore-based applications.

An optional audio interface board allows printout of NAVTEX messages received on other onboard communications receiver.

A built-in comprehensive self-diagnostic function checks hardware and software integrity and prints test results in an easy-to-understand format in the remote event of questionable performance.

CE Mark- and Wheel Mark-certified and compliant fully with relevant IMO-GMDSS resolutions.

Type-approved by CCS, FCC, NK, RMRS and other government authorities.

Housed in a heavy-duty aluminum die-cast cabinet to withstand exacting marine environments.

Specifications

●Receive frequency: 518 kHz ●Type of receiver: Straight amplifier with frequency discriminator ●Input Impedance: 50Ω (active whip) or 10Ω+150 pF (long wire), selectable ●Input Protection: 30V rms of RF input ●Receive Mode: F1B with forward error correction (ITU-R Rec. 476-3, 540-1 and 625 B-mode) ●Sensitivity: Better than 1μV at antenna input for 1% of character error ●Spurious Emission: Compliant with EN 60945. ●Printer: Thermal moving-head 5X7 dot matrix, 42 characters/line (more than 250,000 characters printable per roll) ●Recording Paper: Thermo-sensitive, 112 mmX25m/roll ●Data Output: 7-bit ASCII character with non-parity and 1 stop bit at 4800 baud, available via rear panel standard BNC connector ●Power Requirements: 10.5 to 40 VDC, approx. 6W (cabinet), 8 VDC, approx. 10 mA (antenna, automatically supplied via rear panel M-type coax connector) ●Operating Temperature Range: -15 to 55°C (cabinet, without condensation), -20 to 60°C (antenna) ●Storage Temperature Range: -25 to 70°C (cabinet), -40 to 70°C (antenna) ●Weight: Approx. 4 kg with paper roll installed (cabinet), 830g (antenna with 10m RG-58/U cable attached) ●Dimensions: 250(W)X100(D)X140(H) mm (cabinet, less mounting bracket), 1.2m+240mm (total active antenna length) ●Options: Remote alarm box (visual only), External receiver interface (AF level), 60 cm-long whip type active antenna (with reduced receiver performance)

NOTE: Specifications, except for those stipulated in relevant international regulations/recommendations, are subject to change.

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