

**SPECIFICATIONS OF NAVTEX RECEIVER
NX-700B**

1 NAVTEX RECEIVER

- 1.1 Receiving frequency 518 kHz and 490 kHz (or 4209.5 kHz),
receive both frequencies simultaneously
- 1.2 Mode of reception F1B
- 1.3 Sensitivity 2 μV e.m.f. (50 ohms), 4% error rate or less
- 1.4 Input protection Withstands 30 Vrms for 15 minutes or more (w/ pre-amp unit)
- 1.5 Spurious emission 1nW or less
- 1.6 Message category
A: Navigation warning
B: Meteorological warning
C: Ice report
D: Search and rescue information/ pirate attack warnings
E: Meteorological forecast
F: Pilot message
G: AIS
H: Loran message
I: Spare
J: SATNAV messages
K: Other electronic navigational aid and system message
L: Navigational warning (addition to "A")
V to Y: Special services allocation by the NAVTEX Co-ordinating
Panel
Z: QRU (no message on hand)

2 DISPLAY UNIT

- 2.1 Display system 5-inch, 76 (W) x 100 (H) mm, monochrome LCD, 240 x 320 dots
- 2.2 Display modes Message selection mode,
Message display mode
- 2.3 Message storage 200 messages x 2 channels
(100,000 characters x 2 channels)

3 ANTENNA UNIT

- 3.1 Antenna type NX-7H: H-field antenna
- 3.2 Output impedance 50 ohms
- 3.3 Power supply +7 V to +9 V (thru coax. cable)

4 INTERFACE

- 4.1 Input data IEC61162-1/2
GGA, GLL, RMC, ZDA, NRQ, NMK, ACK, GNS, VHW, VTG, VBW
- 4.2 Output data NRX, ALR

- 4.3 Alarm Normal close, contact closure signal (floating, max. 80mA, 50 V)
for SAR alert

5 POWER SUPPLY

12-24VDC: 0.7-0.4A

6 ENVIRONMENTAL CONDITION

6.1 Ambient temperature

Antenna unit -25°C to +70°C

Receiver / Display unit -15°C to +55°C

- 6.2 Relative humidity 95% at 40°C (without dew condensation)

6.3 Waterproofing

Antenna unit IP66

Receiver IP20

Display unit IP20 (front panel: IP25)

- 6.4 Vibration - 2Hz to 5 Hz and up to 13.2 Hz with a deviation of ± 1 mm $\pm 10\%$
(7 m/s² maximum acceleration at 13.2 Hz);
- above 13.2 Hz and up to 100 Hz with a constant maximum
acceleration of 7 m/s²

8 COATING COLOR

- 8.1 Display unit N3.0

- 8.2 Receiver unit N3.0

- 8.3 Antenna unit N9.5