

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

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 μ V 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 PRINTER SECTION

- 3.1 Printing system Line thermal head printing system
- 3.2 Printing paper Thermal paper (58 mm x 30 m)
- 3.3 Printing width 48 mm
- 3.4 Character format 24 x 12 dot
- 3.5 Dot pitch 8 dots/ mm
- 3.6 Number of characters 32 characters/line
- 3.7 Print speed Approx. 20 mm/sec.

4 ANTENNA UNIT

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

5 INTERFACE

- 5.1 Input data IEC61162-1/2
ACK, ACN, CRQ, GGA, GLL, GNS, HBT, NRM, RMC, VBW, VHW, VTG, ZDA
- 5.2 Output data ALC, ALF, ALR, ARC, HBT, NRM, NRX
- 5.3 Alarm Normal close, contact closure signal (floating, max. 80mA, 50 V) for SAR alert

6 POWER SUPPLY

12-24VDC: 1.5-0.8A

7 ENVIRONMENTAL CONDITION

- 7.1 Ambient temperature
 - Antenna unit -25°C to +70°C
 - Receiver / Display unit -15°C to +55°C
- 7.2 Relative humidity 95% at 40°C (without dew condensation)
- 7.3 Waterproofing
 - Antenna unit IP66
 - Receiver / Display unit IP20
- 7.4 Vibration
 - 2Hz to 5 Hz and up to 13.2 Hz with a deviation of ± 1 mm $\pm 10\%$ (7 m/s^2 maximum acceleration at 13.2 Hz);
 - above 13.2 Hz and up to 100 Hz with a constant maximum acceleration of 7 m/s^2

8 COATING COLOR

- 8.1 Display unit N3.0
- 8.2 Receiver unit N3.0
- 8.3 Antenna unit N9.5