



# FURUNO®

General Telex communications and GMDSS messages

## NBDP TERMINAL

### Model DP-6

- Providing automatic error-free telex communication and distress message handling in compliance with the GMDSS
- Configured for use with FURUNO MF/HF radiotelephones FS-1562, FS-5000, FS-8000
- Dedicated, compact 9.5" monochrome LCD monitor and keyboard in compliance with ITU-T. Terminal arranged for simple straight forward operation
- Pop-up menus used to provide simple, user-friendly operation in editing and transmitting messages
- Memory of up to 100 operator-customized channels. Plus all ITU channels in memory
- Real time message printing using the optional printer PP-510
- Conforms to IMO Resolution A.806(19), ITU RR App.43, 32-1, ITU-R Rec.625, ETS 300 067, IEC 61097-11



The FURUNO DP-6 is a Narrow-Band Direct Printing (NBDP) Terminal designed to comply with the IMO carriage requirements for the GMDSS. In addition, it provides fully automatic error-free general telex communications with other maritime mobile stations as well as with any telex subscribers. The DP-6 is used with the FURUNO's MF/HF radiotelephones FS-1562, FS-5000, and FS-8000. Distress and safety telex communications can be exchanged on any of the distress frequencies 2174.5, 4177.5, 6268, 8376.5, 12520 and 16695 kHz in the ARQ or FEC mode.

Each ship station is assigned a unique identity number (Maritime mobile ship's identity) so that the stations concerned are clearly and unambiguously identified to each other. The DP-6 enables full automatic frequency scanning, unattended reception and transmission of messages, automatic adjustment of 10 groups each containing 20 channels for scanning. The DP-6 provides complete word processing facilities in its Text Editor, where you may create, edit and store multiple messages for later transmission.



The future today with FURUNO's electronics technology.

## FURUNO ELECTRIC CO., LTD.

9-52 Ashihara-cho, Nishinomiya City, Japan Telephone: +81 (0)798 65-2111  
Telefax: +81 (0)798 65-4200, 66-4622 URL: [www.furuno.co.jp](http://www.furuno.co.jp)

Catalogue No. W-3238b

# SPECIFICATIONS OF DP-6

## COMMUNICATIONS

1. **Communication Mode**  
Automatic Repetition Request (ARQ),  
Forward Error Correcting (FEC)  
Maritex compatible
2. **Communication Protocol**  
ITU-R Rec. 625, 476-3, 490, 491, 492
3. **ID Code**  
4-unit, 5-unit and 9-unit
4. **Modulation**  
AFSK
5. **Tone Frequency**  
Mark/Space: 1615/1785 kHz ( $\pm 0.5$  Hz)  
Tracking range: 80 Hz
6. **Line Input/Output**  
-30 dBm to +10 dBm, 600 ohms balanced

## TERMINAL UNIT (Monitor)

1. **Display** 9.5" monochrome LCD (640 x 480 dots)  
72 characters/line, 25 lines/screen
2. **Media** System software: Flash memory  
Data: 3.5" 2HD FDD
3. **File Management**  
Adding, modifying and deleting, listing and printing files,  
displaying free memory space, formatting floppy disks
4. **Utility programs**  
Automatic transmission and reception (maximum 10 stations),  
scanning (maximum 10 groups, 20 channels/group), storage  
for up to 100 customized channels
5. **Interface**  
Position data in IEC61162

## PRINTER (option)

1. **Type** PP-510  
Serial impact dot matrix (Thermal transfer)
2. **Printing speed**  
Draft: 200 char/s  
NLQ: 50 char/s
3. **Printing paper**  
Plain, rolled, impact dot, 216 mm wide, 80 characters/line

## POWER SUPPLY

24 VDC, 18 W (Terminal unit), 20 W (NBBDP Terminal), 6 W (Printer)

## ENVIRONMENT (IEC60945 test method)

Temperature: -15°C to 55°C

## EQUIPMENT LIST

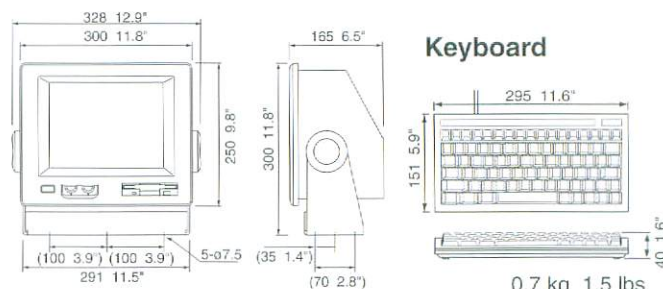
### Standard

1. Terminal unit (Monitor) IB-581
2. NBBDP Terminal (Com unit) DP-6
3. Installation Materials

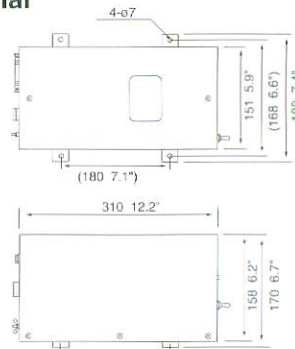
### Optional

1. Printer PP-510
2. Rectifier PR-62

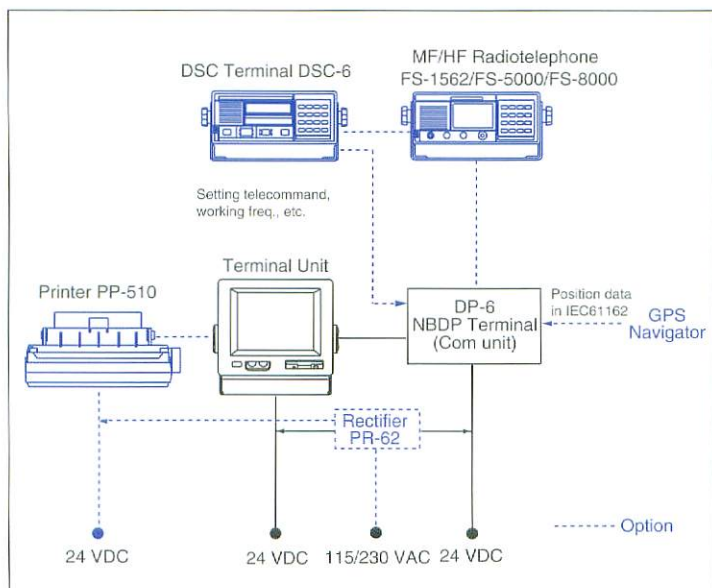
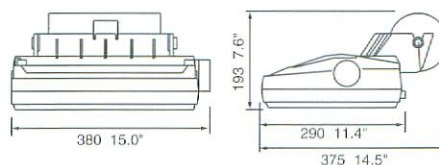
### Terminal unit (Monitor) 6.0 kg 13.2 lb



### NBBDP Terminal (Com unit) 4.5 kg 9.9 lb



### Printer (option) 3.6 kg 7.9 lb



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

02043Y Printed in Japan

**FURUNO U.S.A., INC.**  
Camas, Washington, U.S.A.  
Phone: +1 360-834-9300 Telefax: +1 360-834-9400

**FURUNO (UK) LIMITED**  
Denmead, Hampshire, U.K.  
Phone: +44 1705-230303 Telefax: +44 1705-230101

**FURUNO FRANCE S.A.**  
Bordeaux-Mérignac, France  
Phone: +33 5 56 13 48 00 Telefax: +33 5 56 13 48 01

**FURUNO ESPANA S.A.**  
Madrid, Spain  
Phone: +34 91-725-90-88 Telefax: +34 91-725-98-97

**FURUNO DANMARK AS**  
Hvidovre, Denmark  
Phone: +45 36 77 45 00 Telefax: +45 36 77 45 01

**FURUNO NORGE A/S**  
Ålesund, Norway  
Phone: +47 70 102950 Telefax: +47 70 127021

**FURUNO SVERIGE AB**  
Västra Frölunda, Sweden  
Phone: +46 31-7098940 Telefax: +46 31-497093

**FURUNO SUOMI OY**  
Helsinki, Finland  
Phone: +358 9 317277 Telefax: +358 9 3412930