



Certificate No.: MED-B-6051
 Item No.: A.1/4.30
 Job Id.: 344.1-001892-4

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Product description

DM800E consisting of the following components:

Hardware modules:

Computer:

- DM800E ECDIS DPU Part No. 1301398

Monitor:

- North Invent Sea Line 21,3", MK3, or Part No. 1301415
- North Invent Sea Line 19,0", MK3, or Part No. 1301416
- North Invent Sea Line 19", MK3, LED, or Part No: 1302867
- North Invent Sea Line 23,1", MK3 Part No. 1301414

Keyboard/ Trackball:

- KSLM106F1USB-WLED, or Part No. 2301384
- Cortron 564-0094 Part No. 2301514

DVD Drive:

- DVD 01-001 Part No. 2301387

Alarm Panel

Part No. 1301365

Software modules:

- System Software version V1.20
- Application software version v5.0.82
- IHO presentation library ver. 3.4

Notes

- A dual installation of DM800 E is found to comply with the requirements for ECDIS with Back-up arrangements.
- DM800E may be optionally provided with radar overlay functionality.
- DM800E may be optionally provided with weather information overlay functionality
- DM800E additionally supports loading of SENC (CM93/3 format) resulting from conversion from ENC to SENC ashore (SENC Delivery).

Type Examination documentation

Description:	Document no:
User Manual for Dolphin ECDIS	9301584, rev. 1.0
User Manual for DM800 ECDIS hardware	9301582, rev. 1.0
Installation Manual for DM800E ECDIS	9301583, rev. 1.2
Performance test report - DM800E ECDIS	2009-1052, rev.02
DELTA Kalibreringscertifikat - Calibration of FPD for use as ECDIS monitor - SL190-01, Day mode	L102043-3233
DELTA Kalibreringscertifikat - Calibration of FPD for use as ECDIS monitor - SL190-01, Dusk mode	L102043-3234
DELTA Kalibreringscertifikat - Calibration of FPD for use as ECDIS monitor - SL190-01, Night mode	L102043-3235
DELTA Kalibreringscertifikat - Calibration of FPD for use as ECDIS monitor - SL213-01, Day mode	L102043-3236
DELTA Kalibreringscertifikat - Calibration of FPD for use as ECDIS monitor - SL213-01, Dusk mode	L102043-3237
DELTA Kalibreringscertifikat - Calibration of FPD for use as ECDIS monitor - SL213-01, Night mode	L102043-3238





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Type Approval testing of ECDIS (DM800E)	A506510-1
Interface Test of ECDIS (DM800E)	A506681
Type approval testing of Sea Line Monitors	A505354, rev.1
Excessive voltage test of two Sea Line TFT displays	A506792-03
Dry heat exposure testing of keyboard with trackball	TM-344/ Q04150
Low temperature exposure testing of keyboard with trackball	TM-345/ Q04152
Vibration testing of keyboard with trackball	TM-349/ Q04153
Damp heat testing of keyboard with trackball	TM-350/ Q04151
Immunity to electromagnetic environment testing of keyboard with trackball	TM-351/ Q04163
Corrosion-humidity exposure testing of keyboard with trackball	TM-361/ Q04154
Electromagnetic emissions testing of keyboard with trackball	TM-363/ Q04162
Performance test report hardware change (monitor)	DBS10558-10
Calibration of FPD for use as ECDIS monitor with DVI connection	DELTA-L102253-3465
Environmental and display testing of 23" monitor	NI/0002/rev1.0/2011
Environmental and display testing of 23" monitor	A506792-01
Report: Delta, Environmental test for SL190 monitor	DANAK-1910139, rev. 1
Report: BHS, Assessment report for 19" TFT LED display	BSH 4542/002/0072555/14
Report: Delta, High temperature tests of 19" MK3 monitor	DANAK-19/12367
Report: Delta, Supplementary EMC tests for Marine Type Approval of MK3 monitor	DANAK-19/12130, rev 2
Report: Delta, Calibration of FPD for use as ECDIS monitor with DVI connection	DELTA-L102692-4206, rev 1
Report: Delta, Test of flicker from a 19inch monitor for use as ECDIS monitor	DELTA-L102692-4176, rev 1

Place and date
HØVIK, 2014-03-24

Steinar Kristensen
Steinar Kristensen



END OF CERTIFICATE