



MX 510 General Features

Position Presentation: Lat/Lon, UTM and User-Defined GRID (option)

Position Resolution: 4 decimal places (Lat/Lon)

Waypoints: 2000 waypoints with 20-character alphanumeric names and icon

Routes: 100 Routes with a dynamic number of waypoints; up to 2000 in all routes

Special Features: GOTO, Mark and MOB, 3-D Panoramic steering display, Tide, Speed Graph, Sun & Moon Almanac, and Wind Calculations.

Display: 5.7in. B/W STN, 320 x 240 pixels, back-lit LCD display

Dual Control: Master/Slave configuration or with up to 4 repeaters via high-speed LAN

Languages: English, Danish, Dutch, French, Finish, German, Italian, Spanish, Swedish (Some screens may still be in English)

CPU: Intel PXA255 XScale Processor

Memory Size: Data: 32MB RAM Program: 32MB (FLASH)

Data Storage: USB memory stick (FAT32 format), or Built-in Flash RAM

Power

Input Voltage: 10.5 to 32 VDC, 10 watts

Grounding: Chassis isolated from electrical ground.

Physical

Dimensions: 292 x 150 x 105mm. (WxHxD)

11.5 x 5.9 x 4.2in.

Weight: 3.35 lbs

Mounting: Yoke or optional flush mount

Electrical Interface

Ports: 2-EN-61162-1 compliant user programmable I/O data ports and 2 I/O ports dedicated to smart antenna, black box receiver, USB and LAN ports

NMEA Output: NMEA 0183 V3.0: APA, APB, BOD, BWC, BWR, GGA, GLL, GRS, HSC, MSK, MSS, RMB, RMC, Rnn, RTE, SNU, VDR, VHW, VPW, VTG, WCV, WPL, XTE, ZDA, ZTG, GBS, HDT & ROT

NMEA Input: DPT, DBS, DBT, DBK, GLL, HCC, HDM, HDT, MMB, MWV, RMA, RMC, VHW, VTG, VWR, WPL, XDR, GSA, GST, GRS, GSV, GBS*, RTE & ROT

Pulse Log Emulation: 1-30,000 pulses per NM

Reprogramming: field programmable using USB

Connectors:

1x -12-pin conn. for Power & Data

1x -10-pin conn. for Antenna

1x -8-pin conn. for Auxillary

2x USB

1x RJ45 LAN

Environmental

Temperature:

Operating: -15°C to +55°C

Storage: -30°C to +70°C

Humidity: IEC 60945 ed4

Housing: Splashproof

Compliance:

IMO: MSC 112 (73), IEC 61108-1, IEC 61162-1, IEC 60945 Ed. 4

FCC: Meets FCC Part 15 subpart B

Type Approval: CE, USCG, CCS, Wheelmark

* MX Proprietary RAIM message (\$PMVXG, GBS)

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