

Marine GPS

The World's Most Accurate GPS Chart Navigator.



The New MK40... Pinpoint Accuracy and Direct Sunlight Readability.

Leica

Features and Specifications

Features At A Glance

- ★ A DIRECT SUNLIGHT readable display with an incredible reading angle makes this navigator clearly readable from anywhere on the bridge.
- ★ Leica's MK40 offers you the latest GPS technology developed jointly by Leica and IBM.
- ★ The MK40 offers you an inherent accuracy of 9 feet, with a phenomenal pinpoint precision of 30 inch by just adding our Differential GPS antenna.
- Chart is displayed in North-up, Heading-up or Course-up.
- Dual C-Map NT Vector chart cartridges.
- Navigation status always displayed.
- Back-lit keypad.
- Chart displays can be user customized.
- Dedicated zoom-in/out keys.
- Preview zoom in/out lets you go quickly to the scale you want without waiting for screen redraws.
- Dedicated 'Man Over Board' key and remotely activated 'Man Over Board' function.
- Upload and download your routes to PC.

MK40:

Position Presentation:	Lat/Lon and color charts.
Map Datums:	128 plus user defined map shift.
Position Resolution:	Up to 300 with 10 character alphanumeric names and icons.
Routes:	100 return trips, each with up to 150 points.
Plotter Log:	By time or distance up to 8000 points.
Display:	High brightness full color TFT LCD screen with anti-reflective coating.
Size:	6.4 inch diagonal size, 320 x 240 pixels.
Languages:	English, Spanish, French, German and Italian.

Environmental:

Operating Temperature: -15° to 55° C.

Sealing: Splashproof.

Electrical Interface:

Reprogramming:	Field programmable flash ROM via cartridge port with accessory programming module.
Power:	10-30VDC, 11 watts
Memory Back-up:	10 year battery
Ports:	1 bi-directional serial port to the Leica Smart Antenna 2 NMEA-0183 Outputs <ul style="list-style-type: none"><input type="checkbox"/> NMEA 1 RS232 with ground return.<input type="checkbox"/> NMEA 2 RS422 balanced lines. 1 NMEA-0183 Input (Depth Sounder) 1 Digital remote 'Man-Over-Board' (switch closure operation). 1 Digital remote alarm output (capacity 10-30VDC, 250ma max current).

Physical:

Height:	6.125 in. (155 mm)
Width:	10.64 in. (270 mm)
Depth:	2.25 in. (57 mm)
Weight:	2.75lb (1.23 kg).

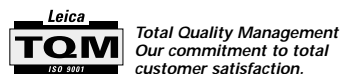
MX421/MK40 GPS Receiver/Antenna

Type:	L1 frequency, C/A Code (SPS), 12 channel IBM/Leica SEIG technology.
Sensitivity:	-143 dBm Costas threshold.
Update Rate:	1 Hz.
Output:	NMEA, GGA, GSA, GSV, RMC. Position output at 1 Hz.
Input:	10-32 VDC (330 ma @ 12V).
Mount:	Stainless steel insert 1" x 14 threads per inch, flush mount.
Vibration:	IEC945.
Accuracy:	GPS 2.60 Meters RMS.
Cable:	25 Feet (10 meters), shielded data cable.
Optional:	DGPS Antenna.

Environmental:

Operating Temperature: -25° to 60° C.

Sealing: Waterproof.



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