

Model F-1000



Featuring:

IMO resolution-compliant low-cost singlefrequency navigation sounder housed in electrostatically-shielded compact ABS plastic cabinet

Certified to comply with EU Marine Equipment Directive (MED) and other relevant international standards for wheel mark certification

7-analog color, easy-on-the-eye echogram across 5.7" long-life LED-backlit daylight-readable LCD screen

Fully automatic operation, tracking bottom contour with appropriate range, receiver gain and TVG settings. Manual override is possible. **S**tores up to 12 hours of sounding history for off-line applications, together with date, time stamping and with position coordinates (optional GPS sensor with NMEA data outputs required).

Externally acknowledgeable navigational and failure alarms by IEC-defined software commands

Password-protected to prevent unauthorized changes to important system parameter settings

Optional monochrome graphic printer available for simulated paper-recording type sounder operation



Specifications:

Transducer Frequency: 50 or 200kHz (to be user-specified at time of ordering)

Screen: 5.7" LED-backlit LCD, daylight-viewing, QVGA (320X240 pixel) resolution

Depth Ranges: 5 to 1000m in 8-range steps, automatic/manual selection

Fathom/braccia/foot calibrations are selectable.

Minimum Detectable Depth: Better than 50cm (200kHz), 1m (50kHz)

Transmit Power: Approx. 600W RMS with automatic selection of optimum pulse length for range in use

Soundings Data Storage: Up to 12 hours in non-volatile memory; retrievable from PC via RS-422 port

Digital Interfaces: 2XRS-422 ports, 1X 8-pin I/O data port (NMEA-0183/RS-232C)

Power Requirements: 11 to 40VDC, approx. 12W

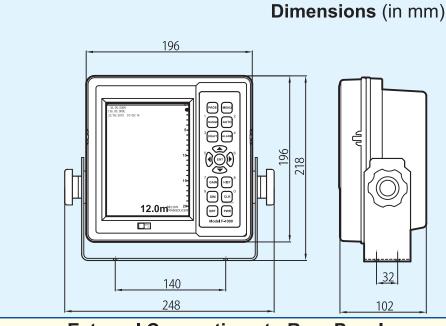
Cabinet Weight: Approx. 1.2kg (with mounting bracket)

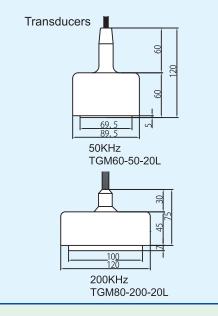
Environment: Compliant with IEC 60945-2002 (protected category), IPX4

Compass Safe Distances: 1.00m (standard), 0.55m (steering)

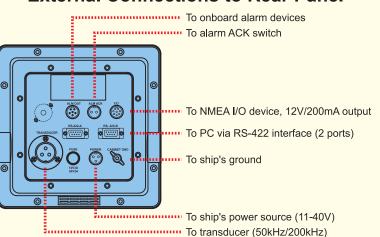
Major Compliant Standards: IMO Resolutions MSC.74(69) & A.694(17), IEC 60945, IEC 61162-1, ISO 9875, MED 2011/75/EU

NOTE: Specifications are subject to change without notice or obligation.





External Connections to Rear Panel



Standard Equipment

(1 pc. each, except as specified):

- F-1000 Navigation Sounder
- Transducer (50 or 200kHz) with 20m cable
- Power Supply Cable (3m, terminated in 3-pin plug)
- Mounting Hardware (bracket) with 2 pcs. knobs
- Plugs:
 - 3-pin plug for transducer cable
 - 2-pin plug for ALARM ACK receptacle
 - 6-pin plug for ALARM OUT receptacle
 - 8-pin plug for I/O receptacle
- Fuses (2A/24V, 3A/12V, mini type, 2 pcs. each)
- User's Manual



Japan Marina Co., Ltd.

36-2-1001 Udagawa-cho, Shibuya-ku, Tokyo, 150-0042 Japan Phone: +81-3-3461-3606 / Telefax:+81-3-3496-2078 E-mail:sales@japan-marina.co.jp Web site: www.japan-marina.co.jp