



**10.4-INCH DAYLIGHT-VIEWING VGA TFT LCD
HIGH POWER COMMERCIAL FISH FINDER**

Model V-3001

MAJOR FEATURES:

High-power single-frequency commercial fish finder equipped with 10.4-inch VGA daylight-viewing TFT LCD screen. Specify the desired frequency when ordering.

The echogram is displayed using full VGA graphic pixel specifications for a superb image resolution. The screen backlighting level is fully adjustable.

The transmitter provides 2 kW RMS of power (to 50 kHz/28 kHz ferrite or 38 kHz ceramic transducer, 1kW RMS to 50 kHz/200 kHz ceramic transducer) for deep water soundings. Specify the desired transducer when ordering.

Optimum transmit power level is automatically selected to prevent receiver saturation in shallow water operation, allowing echoes to be displayed in more colors for a detailed examination, while providing greater penetrating power in deep water soundings. Manual power selection is also possible for applications requiring more power or less power than the initially assigned level.

The screen page can be split vertically or horizontally, with either half page showing a normal echogram and the other half, an expanded echogram for a detailed analysis of echoes of interest.

Trawl mode operation allows separate range settings across the split-screen pages for a close-up, simultaneous observation of net deployment and fish movement on appropriate range scales.

The depth data of a trawl net can be monitored in real time both digitally and graphically with data input fed from an NMEA-0183 depth/pressure sensor.

With an optional thermistor sensor plugged in, a water temperature readout is available, and its variation can be graphically monitored in real time.

NMEA-0183 interface allows the position, speed and heading data to be indicated over the echogram with an optional GPS sensor connected. Other GPS data source, such as a JMC-brand track plotter, can also be hooked up.

Specifications

●Screen: 10.4" backlit VGA TFT LCD, daylight-viewing, backlit ●Transducer: 50 kHz (ferrite or ceramic), 28 kHz (ferrite), 200 kHz (ceramic) or 38 kHz (user-supplied) ●Transmit Power: 2 kW RMS (16 kW peak/peak) at 28, 38kHz or 50 kHz (ferrite), 1kW RMS (8 kW peak/peak) at 50 kHz (ceramic) or 200 kHz ●Power Reduction: auto or manual in 4 steps to 1/100 ●Ranges: 2.5 to 1000 m/fthm/br or 5 to 300 ft in 15 steps ●Range Selection Modes: automatic (bottom tracking) and manual ●Expansion Ranges: 1.5 to 200 m/fthm/br or 5 to 1000 ft in 8 steps ●Screen Split Modes: horizontal and vertical for normal/expansion echogram displays ●Split-Screen Range Selection Modes: synchronized or separate ●Echo Threshold: 5 weak echo levels suppressible ●Echo Dynamic Ranges: 3, 4, 5, and 6 dB/color ●Echogram Feed Rates: 5 plus freeze ●Noise Reduction Levels: 3 ●Alarms: depth (shallow/deep), fish and power failure (low battery) ●Water Temperature Display: digital and graphic, temperature sensor T-200 (option) ●Trawl Data Display: digital and graphic (NMEA-0183 format input required) ●Velocity Standard: 1500 m/sec. (default), adjustable over 1400 to 1600 m/sec. range ●Draft Compensation: adjustable in 0.1-unit steps ●Digital I/O Interface: NMEA-0183 ●Dimensions: 366W X 275H X 110D mm, less mounting bracket ●Weight: 5.8 kg with mounting bracket attached ●Power Requirements: 11 to 40 VDC, floating ground, approx. 30W ●Ambient Temperature: -15 to 55°C / operating, 95% RH

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

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