



## 6-INCH DAYLIGHT-VIEWING TFT LCD DUAL FREQUENCY COLOR ECHO SOUNDER

# MODEL V-6202

### MAIN FEATURES:

**D**ual frequency (50/200 kHz) 6-inch TFT-LCD QVGA echo sounder housed in an electrostatically shielded sturdy, high-impact plastic cabinet.

**F**ully automatic mode of operation allows automatic selection of depth ranges and setting of receiver gain/STC levels for optimal display of bottom and fish echoes.

**M**anual override is also available to operate the equipment with user-selected parameters.

**A**dvanced setting mode allows separate settings of frequency, range, gain, STC, feed rate, echo/background colors, dynamic range, and other parameters across split screen displays, making it possible to customize the left-hand screen to suit specific applications, while monitoring overall underwater activities beneath the vessel across the right-hand screen.

**H**igh sounding rate mode at 2X echogram feed rate facilitates detection of fast-moving fish at extremely shallow depths at high or low frequency across right-hand screen, while showing normal rate echogram across the left-hand screen.

### General Specifications

●**Screen:** 6 inch analog RGB-color backlit TFT-LCD, daylight viewing, 320X240 pixels ●**Echo Colors:** 7 analog RGB colors, selectable from seven groups of color arrangement ●**Background Colors:** white, gray, black, cyan, blue, and dark blue ●**Operating Modes:** fully automatic (range, gain and STC) and manual ●**Display Modes:** Single frequency full-screen display or dual frequency split-screen display · Split-screen single frequency echogram with/without bottom-locked or pelagic expansion · Split-screen dual frequency display across right-hand screen and customizable display across left-hand screen · Split-screen single frequency normal display across left-hand screen and high sounding rate display across right-hand screen. ● **Echogram Storage Capacity:** 10 screen pages ●**A-Scope Display:** turned on/off in all display modes ●**Transducer Frequencies:** 50 kHz and 200 kHz ●**Transmit Power:** approx. 400W RMS (3.2 kW peak/peak) maximum ●**Depth Ranges:** 2.5 to 1,000 meters/fathoms/braccia in 16 steps with 1-unit step phasing from 0 to 999 ●**Bottom Tracking Modes:** auto range and auto shift ●**Expansion Ranges:** 1.5 to 200 meters/fathoms/braccia in 8 steps ●**Gain Control Modes:** manual and automatic ●**Image Feed Rates:**  $\frac{2}{1}$ ,  $\frac{1}{2}$ ,  $\frac{1}{4}$ ,  $\frac{1}{8}$ ,  $\frac{1}{16}$ ,  $\frac{1}{32}$  and freeze ●**Noise Reduction:** low, mid and high ●**Echo Threshold:** up to 5 weak echo colors suppressible ●**Echo Dynamic Ranges:** 3, 4, 5 and 6 dB/color ●**White Line:** up to 5 strong colors of bottom echo suppressible ●**Receiver Gain:** adjustable in 60 steps from minimum to maximum levels ●**STC (TVG):** adjustable in 20 steps ●**Transducer Draft:** adjustable in 0.1 meter/fathom/braccia steps ●**Alarms:** depth alarm (shallow/deep) and fish alarm (size and level) ●**Temperature Sensor:** T-300 or T-400 thermistor (option) ●**Digital I/O Interface:** NMEA-0183 ●**Display Unit Weight:** approx. 1.7 kg with mounting bracket attached ●**Cabinet Dimensions:** 248/196 (W) X 215/196(H) X 129(D) mm, with/without mounting bracket ●**Ambient Temperature:** -10 to 50°C, 95% RH without condensation (for cabinet) ●**Power Requirements:** 11 to 40 volts d-c, approx. 15W

\* Optional temperature sensor required.  
NOTE: Specifications are subject to change without notice or obligation.

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