

**SPECIFICATIONS OF COLOR LCD SOUNDER
FCV-1150**

1 ECHO SOUNDER

- 1.1 TX frequency 28/38/50/68/82/88/107/150/200 kHz, select 2 channels
- 1.2 Output power 1, 2 or 3 kW
- 1.3 Power reduction Auto/ 10 to 100%, 10% step
- 1.4 TX rate Max. 3000 pulse/min (5 to 3000 m range, normal mode, TX Max)
- 1.5 Pulselength 0.05 to 5.0 msec

2 DISPLAY UNIT

- 2.1 Display mode 12.1-inch color LCD, 800 x 600 dots
- 2.2 Brilliance 900 cd typical
- 2.3 Echo color 8/16/64 colors according to echo intensity
- 2.4 Background color Selectable among 5 colors
- 2.5 Range shift Range: 5-3000 m, Shift: 0-2000 m, Expansion range: 5-200 m
- 2.6 Display mode Single-frequency, Dual-frequency, Zoom, User 1/2, A-scope
- 2.7 Zoom display Marker zoom, Bottom zoom, Bottom-lock expansion, Bottom discrimination
- 2.8 Picture advance speed 7 steps (Lines/TX: Stop, 1/16, 1/8, 1/4, 1/2, 1/1, 2/1, 4/1), Synchronize w/ ship's speed
- 2.9 Alarm Fish (Normal/Bottom), Water temperature, Bottom, Ship's speed/arrival
- 2.10 Noise limiter Frequency range depends on transducer in use
- 2.11 Automatic indication Automatic gain adjust (fishing/cruising), Automatic range/shift, Water temperature graph*
- 2.12 Additional function Heaving adjustment*, Fish length indication (50/200-1T required)
*: Optional sensor required

3 INTERFACE

- 3.1 Number of port NMEA0183 Ver.1.5/2.0/3.0 (I/O)1
Satellite compass (Input, 38400bps).....1
- 3.2 Input data BWC, GGA, GLC, GLL, GNS, GTD, HDG, HDT, MDA, MTW, MWV, RMA, RMB, RMC, VHW, VTG, XTE
- 3.3 Output data DBS, DBT, DPT, MTW*, RMB, TLL, VHW, \$PFEC pidat/SDmrk
*: Optional sensor required

4 POWER SUPPLY

- 4.1 Display unit 12-24 VDC: 3.3-1.7 A
- 4.2 Rectifier (PR-62, option) 100/110/220/230 VAC, 1 phase, 50/60Hz

5 ENVIRONMENTAL CONDITIONS

- 5.1 Ambient temperature -15°C to +55°C
- 5.2 Relative humidity 93% at +40°C
- 5.3 Degree of protection Panel: IP55, Chassis: IPX0
- 5.4 Vibration IEC 60945

6 COATING COLOR

- 6.1 Display unit N2.5