

SPECIFICATIONS OF COLOR LCD SOUNDER FCV-1150

1 ECHO SOUNDER

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|-----|-----------------|---|
| 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 Auto) |
| 1.5 | Pulselength | 0.05 to 5.0 msec |

2 DISPLAY UNIT

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|------|-----------------------|---|
| 2.1 | Display mode | 12.1-inch color LCD, 800 x 600 dots |
| 2.2 | Brilliance | 1,100 cd |
| 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, Mix, 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

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|-----|----------------|--|
| 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 | DBT, DPT, MTW*, RMB, TLL, VHW, \$PFEC pidat/SDmrk
*: Optional sensor required |

4 POWER SUPPLY

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|-----|---------------------------|---------------------------------------|
| 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

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|-----|----------------------|----------------------------|
| 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 | Bearing vibration | IEC 60945 |

6 COATING COLOR

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|-----|--------------|------|
| 6.1 | Display unit | N2.5 |
|-----|--------------|------|