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COLOR LCD SOUNDER

Model FCV-1150

FDF FURUNO Digital Filter

ACCU-FISH

FFS

AUTO

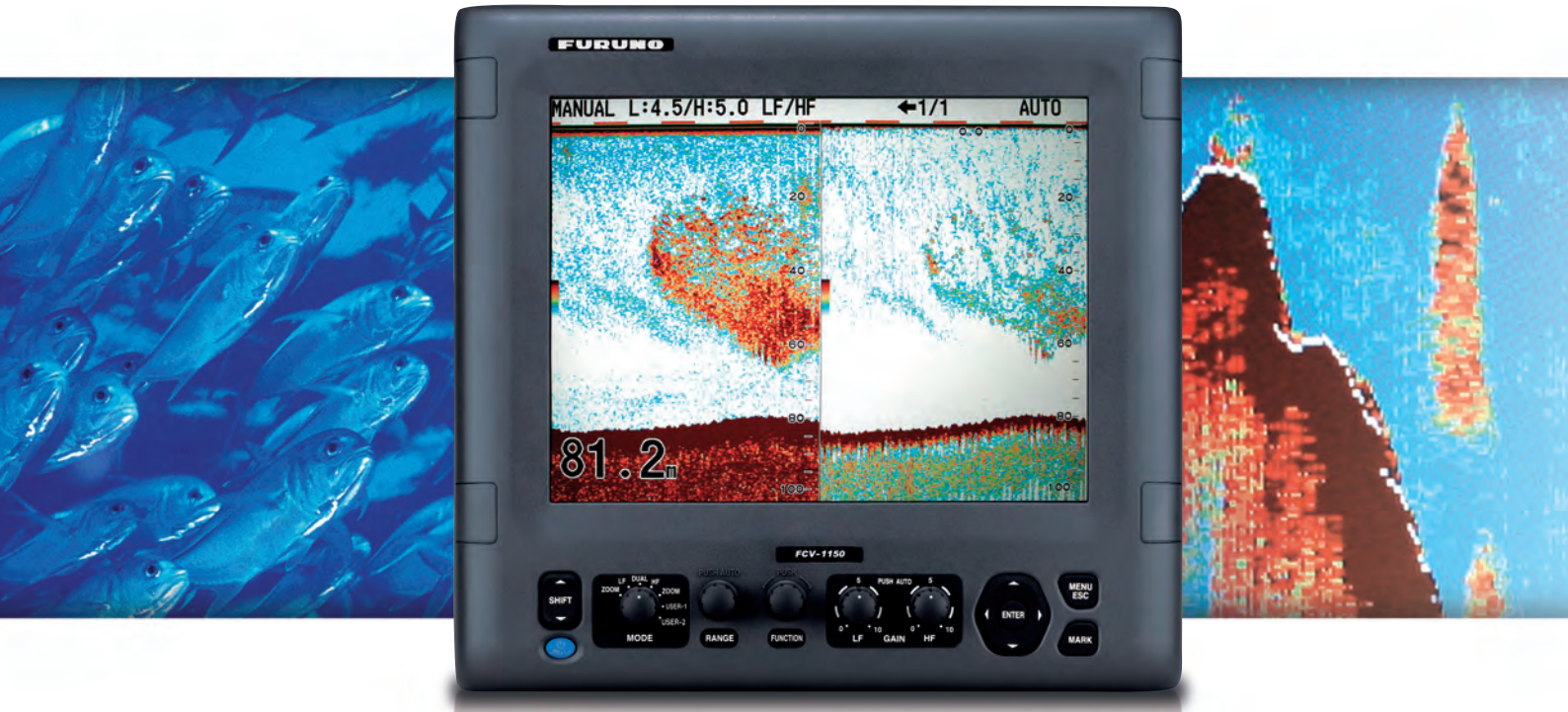
Enhanced Sunlight Viewable

Bonded LCD

Ethernet Plug&Play

High performance 12.1" LCD digital fish find

The FCV-1150 is a color digital sounder designed for a variety of professional fishing operations. It features a high-brightness, bonded 12.1" LCD display with AR-coated glass filter and anti-polarized sunglass filter, providing superior viewing even in direct sunlight. You can choose to display the echo presentation in 8, 16, or 64 colors, with color assignment dependent on the strength of the returned echo. The FURUNO Free Synthesizer (FFS) Transceiver allows for a wide selection of operating frequencies. You may choose any two frequencies between 28 and 200 kHz to best suit your fishing operation. Output power is selectable from 1, 2 or 3 kW. A wide variety of display modes and functions are available that provide skippers with simple and intuitive information. The FCV-1150 can also be connected to a FURUNO satellite compass to compensate for heaving, thus providing unwavering, stable detection even in rough seas.



COLOR LCD SOUNDER

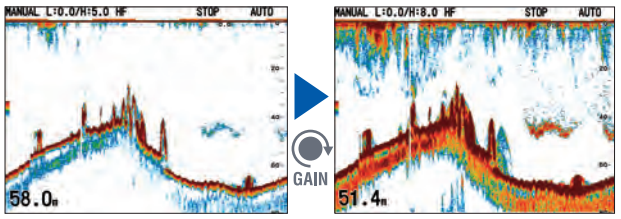
Model **FCV-1150**

- *Post-processing gain control applies changes to gain setting to all existing returns on the display*
- *Available Heaving Compensation provides stable echo presentation even in rough seas* (Satellite Compass required)
- *FURUNO Digital Filter (FDF) delivers crystal clear target presentation*
- *FURUNO Free Synthesizer (FFS) allows for adjustable operating frequency*
- *Unique fish size analyzing function ACCU-FISH™ mode* (available with 50/200-1T transducer)
- *White Edge bottom discrimination*

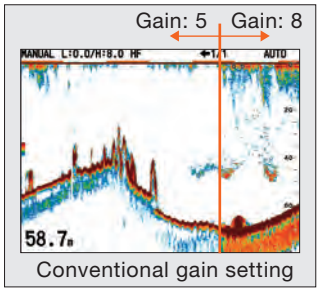
er delivers super clear view of fish targets!

Quick Gain Setting

With conventional gain controls, changes are made for new echoes only when a change in the setting is applied. With the FCV-1150's Quick Gain control, changes in the Gain setting are applied to new echoes as well as all of the echoes already on the screen. Because the changes are applied to both new and existing returns, you will be able to quickly and easily find the right Gain setting for your conditions.



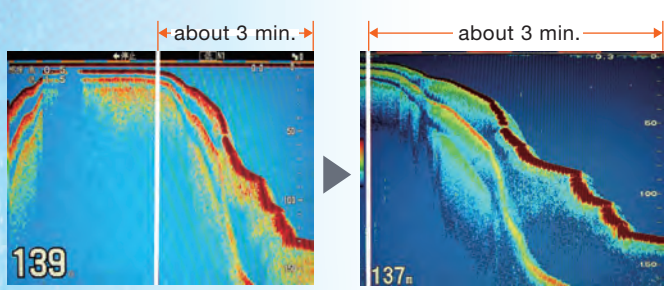
Gain: 5 Gain: 8



Conventional gain setting

Faster TX Rate For Detailed Detection

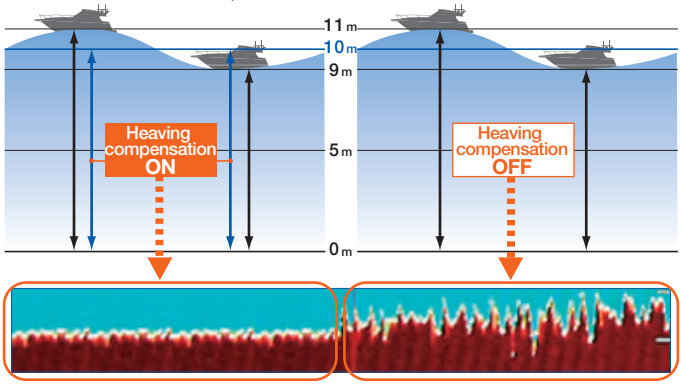
The rate of transmission is increased by more than 30% compared to current conventional fish finders. As a result, more detailed information about underwater conditions can be gained through the same sounding interval. This means that the transmission speed is raised in shallow waters, and lowered in deep waters. The high-speed transmission provides for detailed detection of seabed targets.



FCV-1100L FCV-1150

Heaving Compensation

Even in rough sea conditions, the FCV-1150 compensates for heaving, presenting a display without undulations caused by the sea conditions. FURUNO Satellite Compass SC-30, SC-50 or SC-110 required.



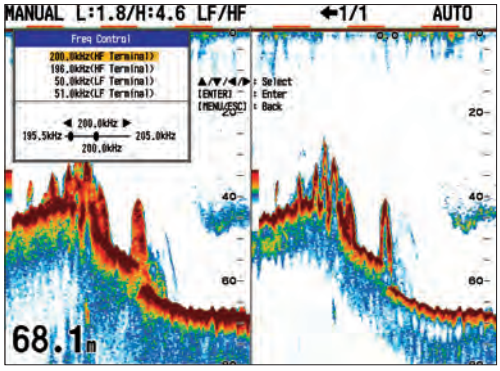
Function Key

An often-used function such as TVG (Time Varied Gain) can be programmed to register with the press of the Function key. This will give you access to any menu item without opening the menu.

Functions which can be registered
Pic. Advance / Interference / Color Erase / Clutter / White Line / White Marker / TVG / STC / Bottom Zone / A-Scope / Split Range / Auto Shift / Freq Choice / Freq Control

Operating Frequency Adjustment

If a FURUNO transducer is used, the operating frequency is automatically set in the menu. The user can shift the operating frequency at any time from the menu. With the FURUNO 82B-35R transducer, the operator can select any operating frequency from 65 to 110 kHz. This feature is particularly useful for vessels targeting many different species, or when the fish finders of other ships in the area cause interference.

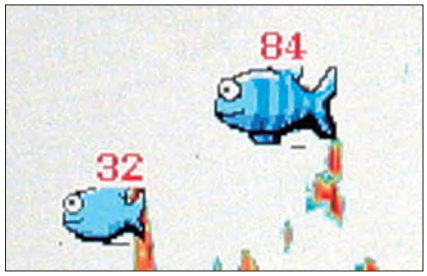


ACCU-FISH™ identifies individual fish with size and fish mark function

Recognizes individual or multiple fish instantaneously

ACCU-FISH™ is a fish size assessment function of FCV-1150 that is unique to FURUNO. In order to assess individual fish size, echo returns are evaluated based on strength and turned into fish size display on screen. ACCU-FISH™ can detect fish size from 10 to 199 cm, in depths of 2 to 100 m.

In some instances, fish size indicated on FCV-1150 may differ from actual size. Please read the operator's manual carefully before using this feature.



COLOR LCD SOUNDER

Model **FCV-1150**

SPECIFICATIONS OF FCV-1150

GENERAL

1. Operating Frequencies
The synthesized transceiver works with dual frequencies in 28 to 200 kHz. Specify transducer type when ordering, among 28/38/50/68/82/88/107/150/200 kHz

2. Output Power 1/2/3 kW

3. Power Reduction Auto/10 to 100 % (in 10 % step)

4. Tx Rate 5 to 3000/min

5. Pulselength Short1/Short2/Standard/Long/Manual (Manual Pulse length: 0.05 to 5.0 ms)

6. RX Band Narrow/Standard/Wide

7. Amplifier High dynamic range

DISPLAY

1. Display 12.1" color LCD (SVGA: 800 x 600)

2. Color 8/16/64

3. Ranges 5 to 3000 m (Split Range available)

4. Shift 0 to 2000 m

5. Marker Zoom/Bottom-lock Expansion Ranges
5 to 2000 m

6. Display mode Single (HF/LF), Dual, Single + Zoom, two Custom Modes
Zoom Mode (Bottom Lock, Bottom Zoom, Marker Zoom), Mix Mode, Nav data, A-scope

7. Picture Advance Direction
Left, Right, L/R

8. Picture Advance Speed
Stop, 1/16, 1/8, 1/4, 1/2, 1/1, 2/1, 4/1, Synchronized with own ship speed

9.Alarms Audio-visual alarms for a preset value of depth, fish and water temperature

10.Language English, French, Spanish, German, Italian, Portuguese, Swedish, Danish, Norwegian, Finish, Greek, Chinese, Japanese, Thai, Korean, Russian

11.Others Auto Mode, Interference, Clutter, TVG, Color Erase, Hue, Temp Graph, A-scope, White Marker

Added Function Heaving compensation

DATA INTERFACE

NMEA0183 (Ver. 1.5, 2.0 or 3.0; Any talker)

Input: BWC, GGA, GLC, GLL, GNS, GTD, HDG, HDT, MDA, MTW, MWV, RMA, RMB, RMC, VHW, VTG, XTE

Output: DBT, DBS, DPT, MTW*, TLL, VHW, RMB, SDmrk, dat
*Optional sensor required

Other: LAN

ENVIRONMENTAL CONDITIONS

Display Unit: -15 ºC to +55 ºC (IEC60945 tested)

Water Resistance: IP55 (When flush mounted)

POWER SUPPLY

12-24 VDC: 3.3-1.7 A. 100/110/220/230 VAC with optional rectifier

EQUIPMENT LIST

Standard

1. Display Unit
2. Installation Materials and Standard Spare Parts

Option

1. Speed/temperature sensor
   ST950 (Thru-hull, bronze/plastic)
2. Temperature sensor
   T42 (Thru-hull, bronze), T80 (Transom, stainless steel)
3. NMEA cable MJ-A6SPF0003-050C (5 m)
   CO-SPEVV-SB-C 2P x 0.2SQLF (5/10/15 m)
4. Rectifier PR-62
5. Transducer (Specify the frequency and type of transducer)

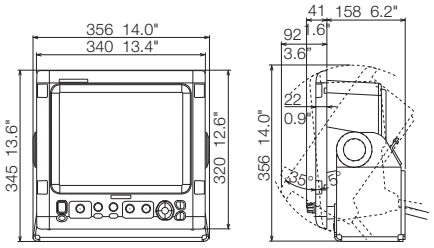
1 kW: 28F-8 (28 kHz), 50B-6/6B (50 kHz), 50B-9B (50 kHz), 68F-8H (68 kHz), 88B-8 (88 kHz), 200B-5S (200 kHz), 50/200-1T (50/200 kHz), 50/200-12M (50/200 kHz)

2 kW: 28F-18 (28 kHz), 28BL-6HR (28 kHz), 38BL-9HR (38 kHz), 50B-12 (50 kHz), 50BL-12/12HR (50 kHz), 82B-35R (82 kHz), 88B-10 (88 kHz), 200B-8/8B (200 kHz)

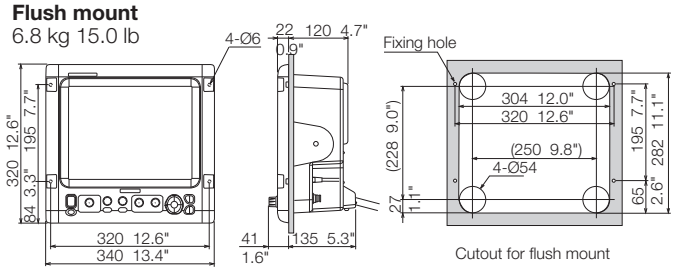
3 kW: 28F-24H (28 kHz), 28BL-12HR (28 kHz), 38BL-15HR (38 kHz), 50F-24H (50 kHz), 50BL-24H/24HR (50 kHz), 68F-30H (68 kHz), 88F-126H (88 kHz), 100B-10R (100 kHz), 150B-12H (150 kHz), 200B-12H (200 kHz)

DISPLAY UNIT FCV-1150

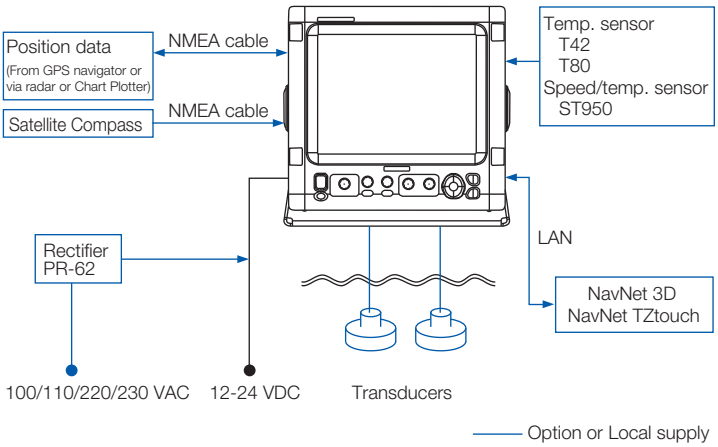
8.2 kg 18.1 lb



Flush mount
6.8 kg 15.0 lb



INTERCONNECTION DIAGRAM



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