

SPECIFICATIONS OF FISH FINDER FCV-1900/1900B/1900G

1 GENERAL

- 1.1 Transmitting frequency 15 kHz to 200 kHz, Free-synthesize
- 1.2 Output power 1, 2 or 3 kWrms
- 1.3 Transmitting rate 10 to 2700 pulse/min (5 to 3000 m range, normal mode)
- 1.4 Transmitting mode
 - FCV-1900 Standard mode only
 - FCV-1900B/1900G TruEcho CHIRP™ or standard mode selected either
- 1.5 Pulselength
 - Standard mode 0.05 to 5 ms
 - TruEcho CHIRP™ mode 0.05/0.06 ms
- 1.6 External monitor (required specifications)
 - Display resolution XGA (1024x768), SXGA (1280x1024), SXGA (1024x1280), FHD (1920x1080)
 - Interface HDMI type-D or DVI-D
(Vertical synchronous frequency for XGA: 70 Hz)

2 PROCESSOR UNIT

- 2.1 Color indication
 - Echo color 8, 16 or 64 colors according to echo intensity
 - Back color Select from 5 colors
- 2.2 Hue 7 steps (standard, Hue 1 to 5, customized)
- 2.3 Echo display mode Single mode (high/low frequency), Dual-frequency, Zoom, User 1/2
User 1/2 available to use mixture, multi-gain, telesounder and external sounder display
- 2.4 Zoom display Bottom-lock expansion, Bottom zoom, Marker zoom, Discrimination zoom
- 2.5 Depth range 5 to 3000 m
- 2.6 Range shift 2000 m max.
- 2.7 Expansion range 5 to 200 m
- 2.8 Fish size histogram (FCV-1900G only)
2 m depth or more, specified transducer required
- 2.9 Bottom discrimination Range: 5 to 100 m, Speed: 10 kn or less, BBDS1 required
- 2.10 ACCU-FISH™ 2 m depth or more, specified transducer required
- 2.11 Display advanced speed 6 steps (Lines/TX: Freeze, 1/4, 1/2, 1/1, 2/1, 4/1)
- 2.12 Data recording (videos and screenshots)
Echo display and measured data can be recorded internal memories
- 2.13 Language Chinese, Danish, English, French, Japanese, Korean, Russian, Spanish, Norwegian

3 INTERFACE**3.1 Number of port**

NMEA	3 ports, NMEA V1.5/2.0/3.0
LAN	1 port, Ethernet 100Base-TX (HUB required)
CIF	1 port
Net sonde	1 port (sonde marker/ sonde KP)
Video signal	1 port, HDMI type-D
External KP	1 port
Temperature sensor	1 port
Echo data	1 port, for telesounder* connection (optional Interface unit required)
USB	1 port, USB2.0 (specified monitor brilliance control available)

*: sold in Japan only.

3.2 Data sentences

Input	GGA, GLL, GNS, MTW, VHW, VTG, ZDA
Output	DBS, DBT, DPT, MTW, TLL

3.3 Output proprietary sentences

PFEC	SDbcd, SDflg, SDmrk, pidat
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4 POWER SUPPLY

4.1 Processor unit	12-24 VDC: 8.3-3.9 A
4.2 Rectifier (RU-1746B-2, option)	100/110/115/220/230 VAC, 1 phase, 50/60 Hz
4.3 AC/DC power supply unit (PR-240, option)	100-115/200-230 VAC, 1 phase, 50/60 Hz

5 ENVIRONMENTAL CONDITIONS

5.1 Ambient temperature	-15°C to +55°C
5.2 Relative humidity	95% or less at +40°C
5.3 Degree of protection	IP22
5.4 Vibration	IEC 60945 Ed.4

6 UNIT COLOR

6.1 Processor/ Control unit	N2.5
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