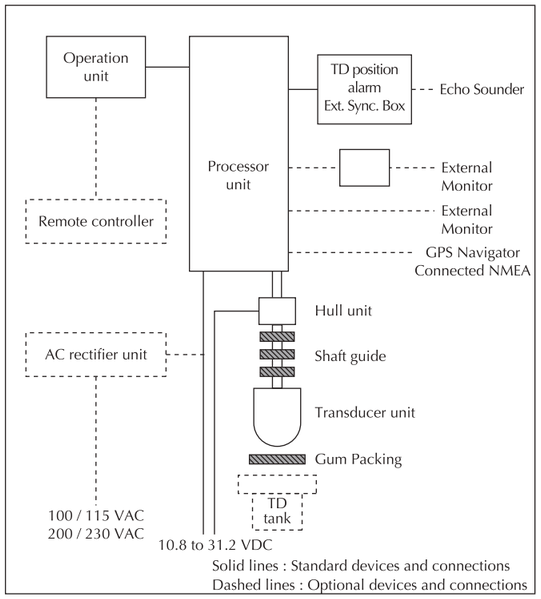
SPECIFICATIONS

Model		KDS-6000BB										
Output power (RMS)		1.5 kW										
Transducer		DHU-6302-BRD.B										
Output frequency		130 to 210 kHz (0.1 kHz step)										
Tilt angle		5° to -90° (1°step)										
Beam angle		8° to 12°										
TD stroke		150 to 380 mm (Recommended value 150 mm)										
Display size and type		Any monitor with VGA resolution (Owner supplied)										
Basic ranges		10 to 1000 (m), 30 to 3000 (ft), 10 to 600 (fm),10 to 700 (l.fm) (8 ranges can be set to users choice)										
Range units		m, ft, fm, l.fm										
Scanning sector angles	Sonar mode	5°step: 5°, 25°, 45°, 85°, 125°, 165°, 205°, 360° 10°step: 10°, 30°, 50°, 90°, 130°, 170°, 210°, 360° 15°step: 15°, 45°, 75°,105°, 135°, 165°, 225°, 360° 20°step: 20°, 60°,100°,140°, 180°, 220°, 260°, 360°										
	Bottom scan mode	3°step: 3°, 27°, 45°, 63°, 93°, 117°, 147°, 177° 5°step: 5°, 25°, 45°, 65°, 95°, 115°, 145°, 175°										
360° Scanning time (extracts)	Scanning range (m)	20	40	60	80	100	120	160	180	200	240	400
	Scanning time (sec.) 5° step	6.3	8	10	11.8	14	15.8	19.5	21.6	23.5	27.5	43.3
	Scanning time (sec.)10° step	3.7	4.7	5.6	6.5	7.6	8.6	10.6	11.5	12.5	14.4	22.4
	Scanning time (sec.)15° step	3.3	3.7	4.3	4.9	5.7	6.4	7.9	8.2	8.9	10.3	15.7
	Scanning time (sec.)20° step	3.3	3.4	3.8	4.2	4.8	5.2	6.4	6.6	7.3	8.1	12.2
Bearing center		1 °step										
Presentation modes		Sonar, Off-center, Bottom scan, Echo sounder, 2 Mode Display, One line										
Off-Center		Fore, Back, Left, Right										
Target lock		Reverse, Horizontal, Horizontal + Vertical, Marker + Horizontal, Marker + Horizontal + Vertical										
Presentation colors		8 colors, 16 colors										
Functions		TVG , Color rejection, Dynamic range, Compass display, Pulse width, Output power control, Noise reduction, A-scope, CM key, Frequency bandwidth, Image correction, Bearing display, TD auto up, Sona-Tone™										
Language		English, Japanese, Korean, Spanish, Thai, Traditional Chines, Greek, Italian, Portuguese, Burmese										
Input data format and sentences		NMEA0183 GGA, GLL, HDG, HDM, HDT, RMC, THS, VTG, ZDA										
Output data format and sentences		NMEA0183 DBT, DPT, GGA, GLL, MTW, RMC, TLL, VTG, ZDA										
NMEA ports		Total 1 : input / output										
Power supply	Processor unit	10.8 to 31.2 VDC										
	Hull unit	10.8 to 31.2 VDC										
Power consumption	Processor unit	70 W or less (24 VDC)										
	Hull unit	70 W or less (24 VDC)										
Operating temperature		-15 °C to + 55 °C										
Water protection		-										

CONNECTIONS



EQUIPMENT LIST

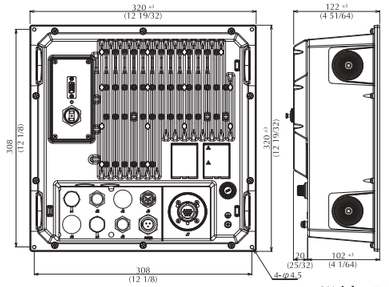
Standard equipment	Processor unit	1
	Operation unit	1
	Hull unit (Normal stroke / Short stroke)	1
	Accessories for Processor unit	1
	Installation materials for Hull unit	1
	TD position alarm / Ext. Sync. Box	1
	DC power cable	1
	Operation manual, Installation manual, Quick Reference	1

Options	Remote controller, PVC TD tank, FRP TD tank, Shaft guide for FRP tank AC rectifier unit, Connecting cable, 17/19 inch LCD monitor

DIMENSIONS AND WEIGHT

Processor unit — unit: mm (inch)

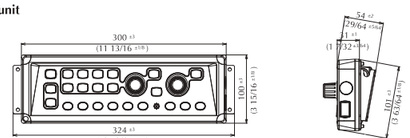
DPU-610



Weight : 5.1kg (11.5lb)

Operation unit

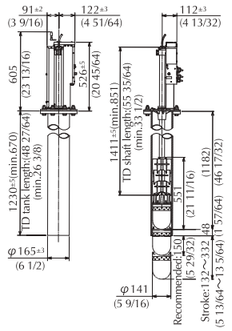
DOU-620



Weight : 1.1kg (2.5lb)
With base and 5M connecting cable

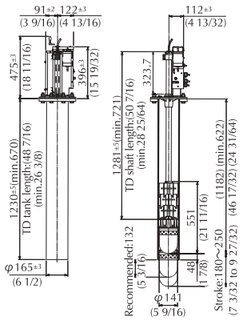
Hull unit

Normal stroke
DHU-6301



Weight : 41kg (91lb)

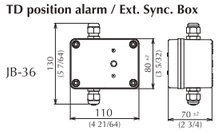
Short stroke
DHU-631



Weight : 40.8kg (90lb)

TD position alarm / Ext. Sync. Box

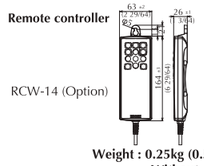
JB-36



Weight : 0.25kg (0.56lb)
Without cable

Remote controller

RCW-14 (Option)



Weight : 0.25kg (0.56lb)
Without cable

• Design and specifications are subject to change without notice.

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Safety precaution To ensure proper and safe use of the equipment, please carefully read and follow the instructions in the Operation Manual.

For details, please contact:

26-01, Printed in Japan

KODEN

Digital Sonar

KDS-6000BB



Features

- Change frequency on the go with our advanced Broadband Technology
- Massive improvement in scan speed, making detection of fish schools much faster
- Clearest possible images with our digital signal processing
- All setup and user settings changed instantly by utilizing Conditional Memory function
- Black Box sonar with 17/ 19 inch LCD Monitor available (Option)
- Short stroke Hull unit available for small space

Digital Sonar

KDS-6000BB

● Advanced Broadband Technology

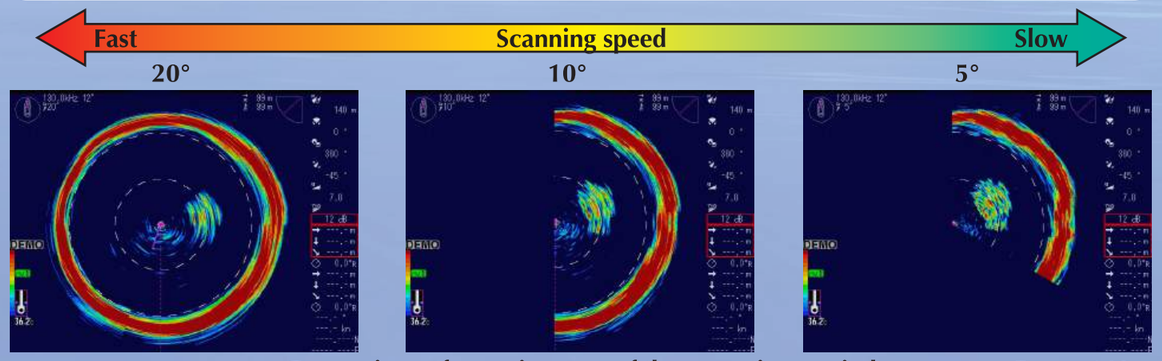
KDS-6000BB is world first Broadband searchlight sonar. With the broadband transducer equipped as standard, the most suitable output frequency can be selected in 0.1 kHz step depending on the fishing method and the target species from closer range to longer range. Selection of frequency is as easy and quick as tuning a radio.
Flexible frequency selection enables user to tune outside of other vessel interference frequency, providing much cleaner image.

● Clearest possible images with our digital signal processing

Both of high resolution in closer range and noise reduction performance in longer range are materialized at high level with newly-developed digital signal processing, KDP V.

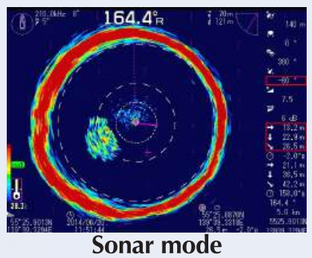
● Massive improvement in scan speed

Scanning speed is remarkably increased by adding 15° and 20° in scanning sector angle steps. It can detect surrounding fish schools quickly.

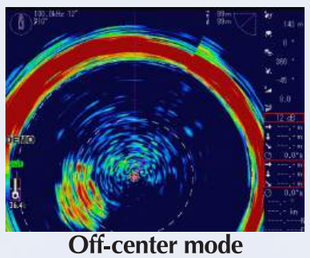


Comparison of scanning area of the same time period　　Range:140m

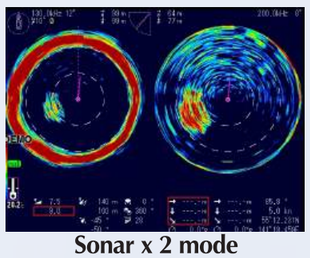
● Six different presentation modes



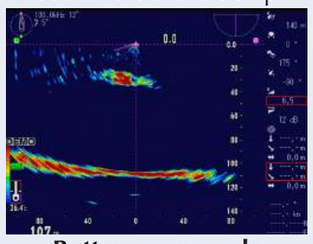
Sonar mode
Search around the ship



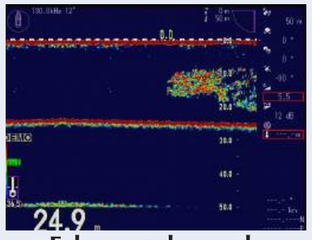
Off-center mode
Show more information of ahead



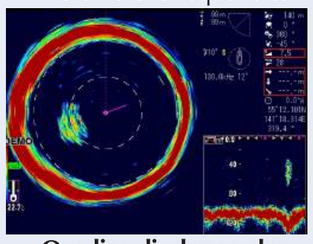
Sonar x 2 mode
Two different frequencies



Bottom scan mode
Reflected echo
from underwater and sea bottom



Echo sounder mode
Image like Echo sounder



One line display mode
Show vertical Sonar image like an echo sounder image in the Sub-screen

● CM keys



Six of CM keys

Six of CM (Condition Memory) keys offer the user to preset all the current settings and recall them instantly.
It is like six sonars in one unit.

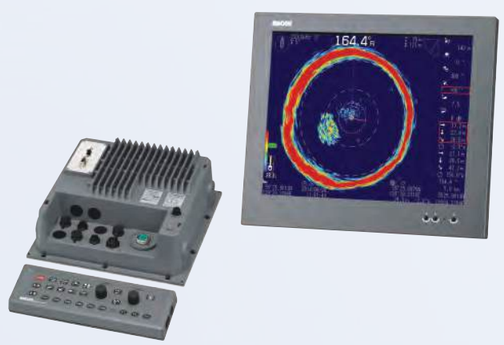
● Setting Backup to USB

CM keys and frequency settings can be backed up to a USB memory device. Optimal settings can be quickly restored.

USB memory port →

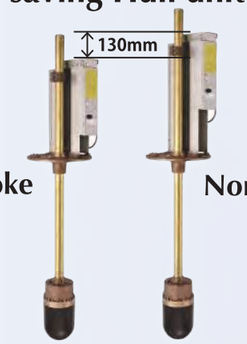


● Black box type



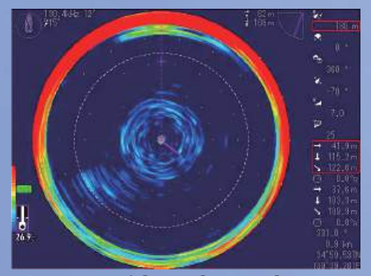
KDS-6000BB comes in black box. The user can select a monitor from the market or the optional 17 / 19 inch LCD monitor

● Space-saving Hull unit

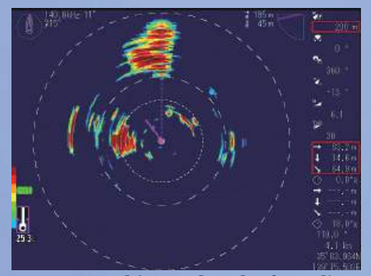


Short stroke Hull unit available for small space

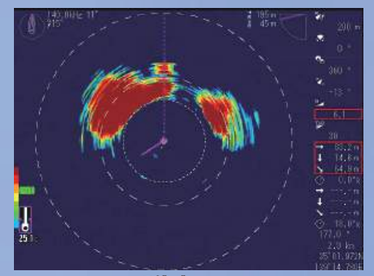
● Example of image



Spear squids at the sea bottom at 130.4 kHz



Tunas attacking school of sardines at 140.0 kHz



Pilchars at 140.0 kHz

To ask about this model or to buy

Every sale is made direct, so you can talk it through first

Call

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0494 901 661

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https://westcoastmarineelectronics.com.au/

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