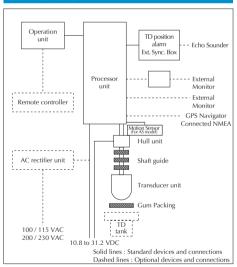
SPECIFICATIONS

Model	KDS-6000BB		
Output power (RMS)	KDS-6000BB		
Transducer	DHU-6302-BRD.B / BRD.B(AS)		
Output frequency	130 to 210 kHz (0.1 kHz step)		
Tilt angle	130 to 210 kHz (0.1 kHz sep) 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 resolition (Owner supplied)		
Basic ranges	10 to 1000 (m), 30 to 3000 (ft), 10 to 600 (fm),10 to 700 (Lfm)		
	(8 ranges can be set to users choice)		
Range units	m, ft, fm, l.fm		
Scanning sector Sonar mode			
angles	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			
	5°step: 5°, 25°, 45°, 65°, 95°, 115°, 145°, 175°		
360° Scanning time Scanning range (m)	20 40 60 80 100 120 160 180 200 240 400		
(extracts) Scanning time (sec.) 5° step			
Scanning time (sec.)10° step			
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,		
B	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		
	10.8 to 31.2 VDC		
	10.8 to 31.2 VDC		
Power consumption Processor unit			
	70 W or less (24 VDC)		
Operating temperature	-15 °C to + 55 °C		
Water protection	-		

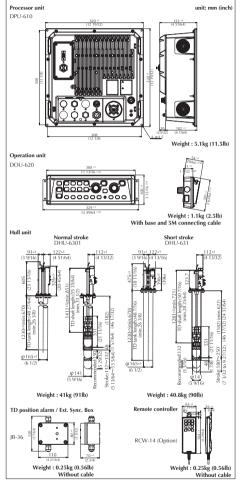
CONNECTIONS



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

DIMENSIONS AND WEIGHT



Design and specifications are subject to change without notice



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overseas@koden-electronics.co.jp

www.koden-electronics.co.jp



Agenzia

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

For details, please contact



Telefono 010 870058 r.a. Telefax 010 870248 apelmar@koden.it

KODEN

Digital Sonar

KDS-6000BB



- ► 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
- ► The stabilizer function reduces the disturbance of sonar display caused by the pitch and roll of the vessel (For AS model)

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.

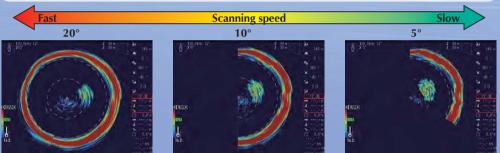
Flexible frequency selection enables user to tune outside of other vessel interference frequency, providing much cleaner image.

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

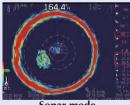
Scanning speed is remarkably increased by adding 15° and 20° in scanning sector angle steps. It can detect surrounding fish schools quickly.



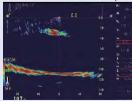
Comparison of scanning area of the same time period

Range:140m

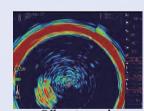
Six different presentation modes



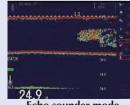
Sonar mode Search around the ship



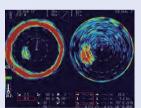
Bottom scan mode Reflected echo from underwater and sea bottom



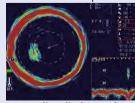
Off-center mode Show more information of ahead



Echo sounder mode Image like Echo sounder



Sonar x 2 mode Two different frequencies



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

CM keys



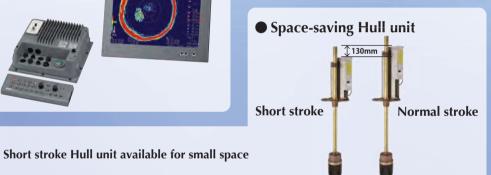
Six of CM (Condition Memory) keys offer the user to preset all the current settings and recall them instantly. It is like six sonars in one unit.

Six of CM kevs

Black box type



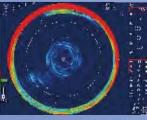
KDS-6000BB comes in black box. The user can select a monitor from the market or the optional 17 / 19 inch LCD monitor



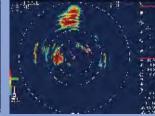
Motion sensor

The stabilizer function reduces the disturbance of sonar display caused by the pitch and roll of the vessel. (For AS model)

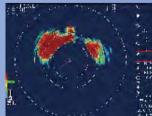
Example of image



at 130.4 kHz



Spear squids at the sea bottom Tunas attacking school of sardines at 140.0 kHz



Pilchars at 140.0 kHz