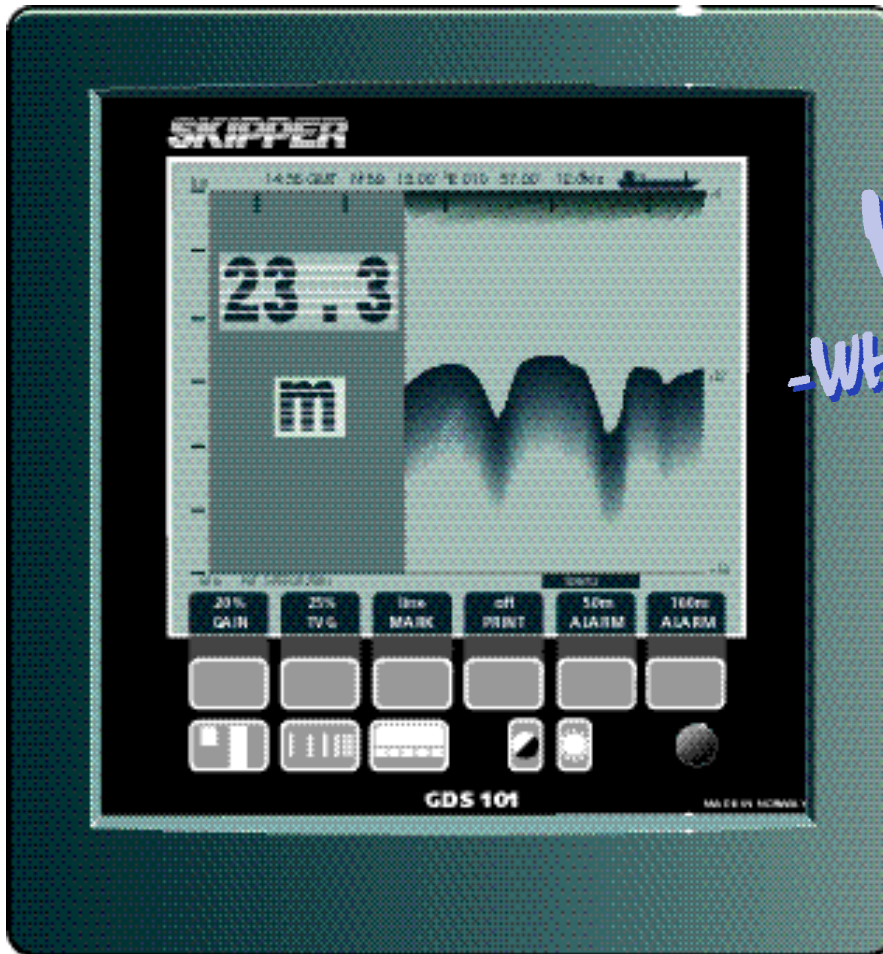


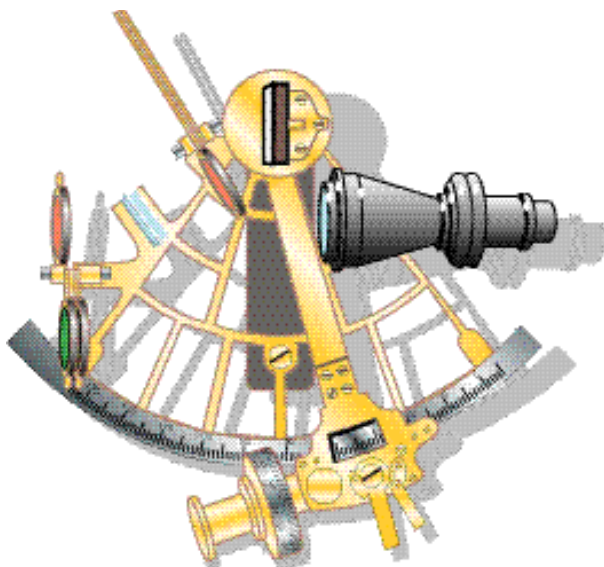
SKIPPER GDS 101 NAVIGATION ECHO SOUNDER



*WHAT YOU NEED,
-WHEN YOU NEED IT!*

www.skipper.no

SKIPPER ELECTRONICS build navigation equipment for the merchant as well as the fishing fleet, based on experience, research and tradition. Our products are known worldwide for reliability, sophistication and good value for money.



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SKIPPER GDS 101 NAVIGATION ECHO SOUNDER



SKIPPER GDS 101 sets a new standard for navigation for all vessels required to have a navigation echo sounder onboard.

GDS 101 is based on the latest computer techniques offering all features demanded on-board a modern ship.

GDS 101 is designed to be easy to use and has incorporated more features than most echo sounders on the market. It has a rugged and robust mechanical design. GDS 101 is developed and tested based on years of experience.

GDS 101 is a graphic, digital navigation echo sounder. A backlit LCD with high resolution Dot-matrix screen gives an instant access to all vital information. The screen shows the information in graphic and/or numeric presentation. The user can select between six different screen languages (English, French, German, Spanish, Russian or Norwegian).

GDS 101 is equipped with a rotating, digital encoder. This is used with the «Soft-keys» to enable the user to enter new settings during operation.

The operator can activate and operate «Soft.keys» in 10 different «Soft-Key» screens.

Storage of recorded depth data.
With GPS connected: Time, Date, Position, Course and Speed.

Operation and Settings

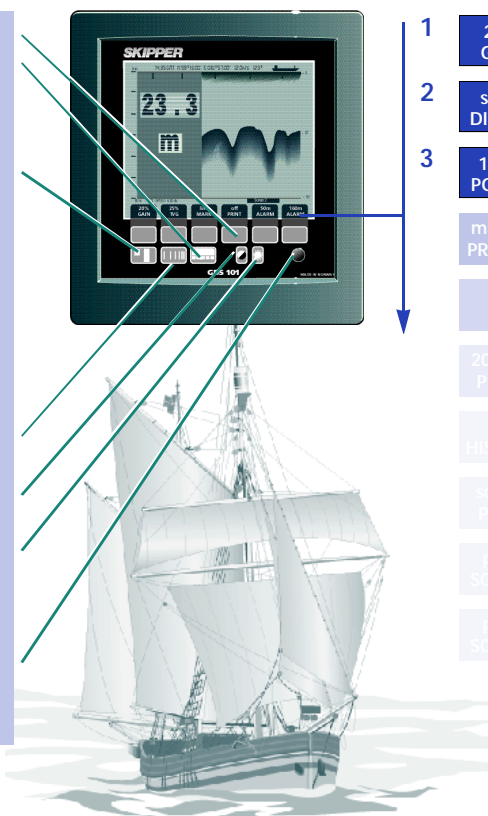
Soft Key Screen Select
(Press to scroll through the first three «Soft-Key» Screens)
Depth Range Setting

Display Speed Setting

Screen Contrast

Screen Backlight

Encoder Knob
(Rotate while keeping a key pressed to change a setting)



Soft Key Screens

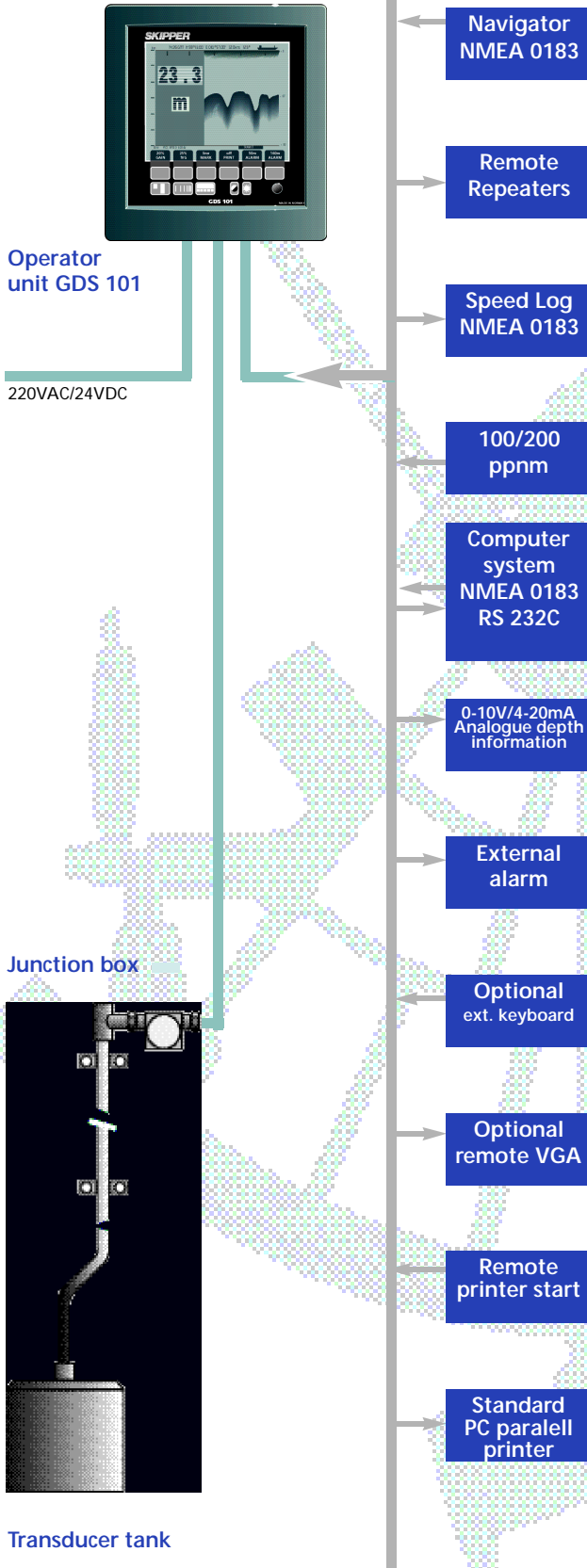
1	20% GAIN	25% TVG	line MARK	off PRINT	50m ALARM ▲	160m ALARM ▼
2	small DIGITAL	50kHz FREQ	line MARK	off PRINT		off SYSTEM
3	100% POWER	0,00m DRAUGHT	O P T I O N S			
	manual PRINTER		94.11 YRMONTH	13 DAY	15 HOURS	03 MINUTES
		english LANGUAGE	meters DEPTH	min:sec PCT-SPEED	kts VESSELSPD	m/sec SOUNDSPD
	200/nm PULSE	negative INHIBIT	continous STPRINT	pos STPRINT	0m UPPER	50m LOWER
	on HISTORY	recording HISTORY	-30 HIST-TIME			
	screen PRINT	4800 BAUD	on OPT	on DBS	on DBT	on DBK
	print SCREEN			on ALARM	merchant 1 VESSEL	off SIMULATE
	print SCREEN			20% GAIN	50% TVG	FIRST PING

Actual info in soft-key screens may vary from illustration

SKIPPER GDS 101

System overview

Typical installation



Specifications:

Power Supply

- AC: 220V/110V 50/60Hz. DC: 20-40V

Power Consumption

- 60W at 220V AC. 40W at 24V DC.

Display

- 150x200mm graphic Dot-Matrix super twist LCD screen with adjustable contrast and backlight.

Printer

- External, standard PC paralell printer.

Memory

- 24 h storage memory of recorded data and for retaining operational settings.

Ranges

- Selectable from 0-10m to 0-1600m. Draught compensation.

Measuring Accuracy

- Better than 1%

Frequencies

- Standard, 38, 50 and 200kHz, selectable from keyboard. (Other freq. on request)

Transmitter:

Output power

- 1kW, adjustable

Depth alarms

- Deep and shallow limits

Calendar/Clock

- Year-month-day / Hours-min.-sec. 24 hours system

Outputs

- Trigger- and bottom-pulses.

Analogue 4-20mA, and 0-10V for depth.

Detected video.

NMEA 0183 for depth.

Alarm relays.

Output for VGA repeater.

Output for standard PC printer

Inputs

- 100/200 pulses for speed, NMEA 0183

for speed, position, heading and time.

Remote keyboard, remote printer start.

Languages

- English, French, German, Spanish, Russian, Norwegian.

Options

- Remote depth indicators. Remote keyboard. Printer.

Classification

- IMO and Wheelmark

Service

- Available in all major harbours, world-wide through extensive dealer network.



Dimensions:

All measurements in millimeters

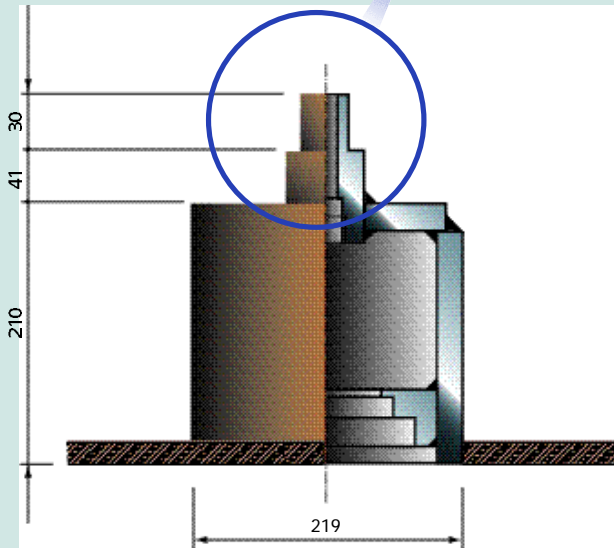
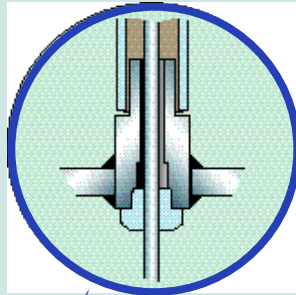


Transducer tank

ETNST Transducer Tank

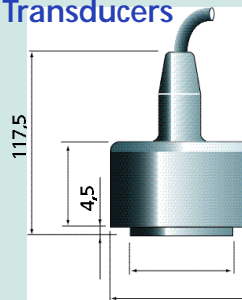
DNV approved transducer tanks for navigational echosounders 50 and 200 kHz

Total weight: 32 kg

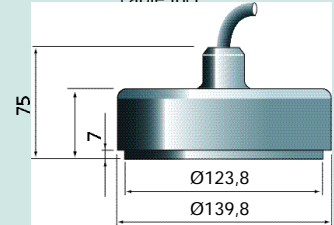


Transducers

Standard cable length: 25 m.
Weight: 7 kg each, cable incl.



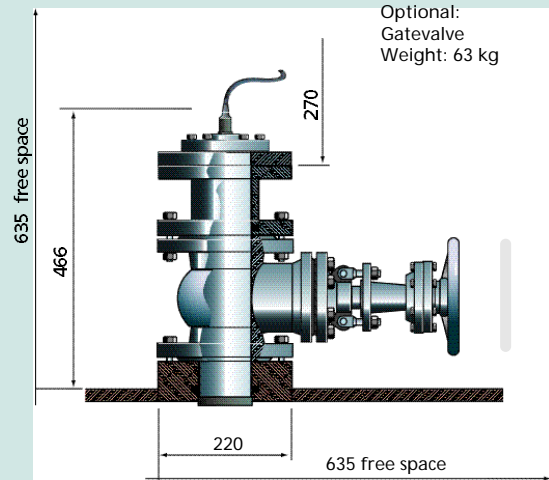
50kHz



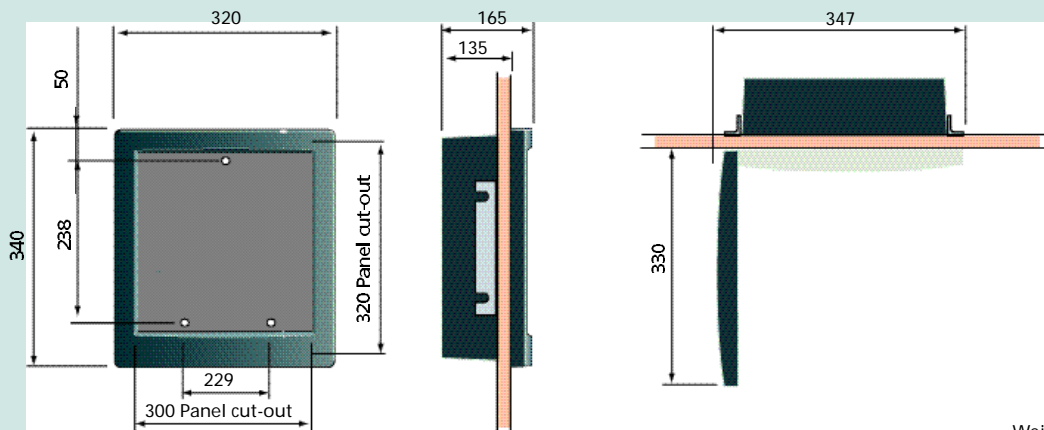
200kHz

Gatevalve

Optional:
Gatevalve
Weight: 63 kg



Operator unit



Weight: 10 kg

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