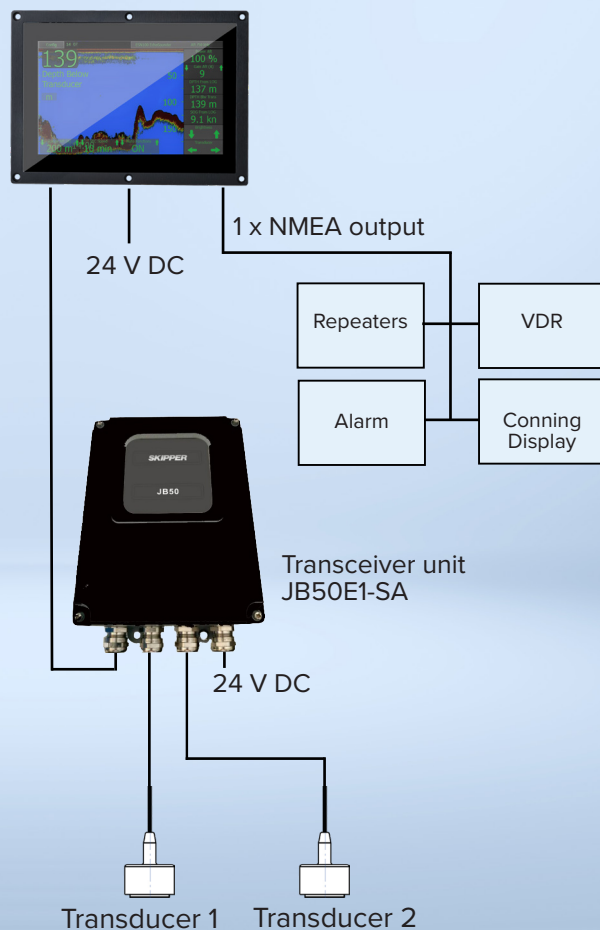


ESN100

Navigation Echo Sounder

Display unit ESN100-SB / SC



- Easy and logical operation via a touch display
- Flexible installation with minimal wiring
- Basic but comprehensive communication and features
- Approvals: CCS, MED-B, MER-B

ESN100

Product specifications

PARAMETER	SPECIFICATIONS	
Channels	Single channel echo sounder	
Transducers	2 Transducer connectors in transceiver unit. Active transducer selectable in software.	
Frequencies	50 kHz and / or 200 kHz. (Both connectors, software selectable)	
Display	ESN100-SC 10.1" Capacitive touch. 430 NITS Dimensions: 287 x 209.5mm. Power supply: nominal 24 VDC (18 – 28 VDC) Power consumption: max 4 W 2 x LAN 2 x NMEA 0183 Outputs (IEC61162-1) 2 x NMEA 0183 Inputs (IEC61162-1)	ESN100-SB 9" Resistive touch. 320 NITS Dimensions: 242 x 158mm. Weight: 1.8kg. Power supply: nominal 24 VDC (+/-10%) Power consumption: max 10 W, typical 6 W 1 x LAN 1 x NMEA 0183 Outputs (IEC61162-1) 2 x NMEA 0183 Inputs (IEC61162-1)
Electronic unit JB50E1-SA	Dimension: 254.8 x 163.8mm. Weight: 2.1 kg. Power supply: nominal 24 VDC (21 – 32 VDC) Power consumption: max 4 W 1 x RS485 for internal communication	
Ranges	Selectable from 0 – 5 m to 0 – 1000 m	
Wheelmark approved SKIPPER transducers with expected depth limits	ETN050, 50 kHz: 1 m – 450 m ETN200, 200 kHz: 1 m – 250 m ETN200S, 200 kHz: 1 m – 200 m ETS50200, 50 kHz and 200 kHz: 1 m – 450 m <i>Other retrofit versions of the same transducers are available.</i>	
Measuring Accuracy	1-20m: Accuracy <0.5m 20-200m: Accuracy <5m	
Output power	Maximum 600 W.	
User functions	Auto mode for Auto Gain, TVG and Power Transducer positioning Transducer setup by part number Diagnostic screens Dimming (remote or local)	
Depth alarms	Follows IEC standards (ALF and ALR). Power failure relay.	
IP grade	ESN100-SC: Front: IP22/IP56 with kit, rear: IP22. ESN100-SB: IP22. JB50E1-SA: IP56.	
Options	IR31DIM NMEA Remote Dimmer ETT985 Transducer tester, echo sound tester, and NMEA tester ENS518 Transducer selector	

