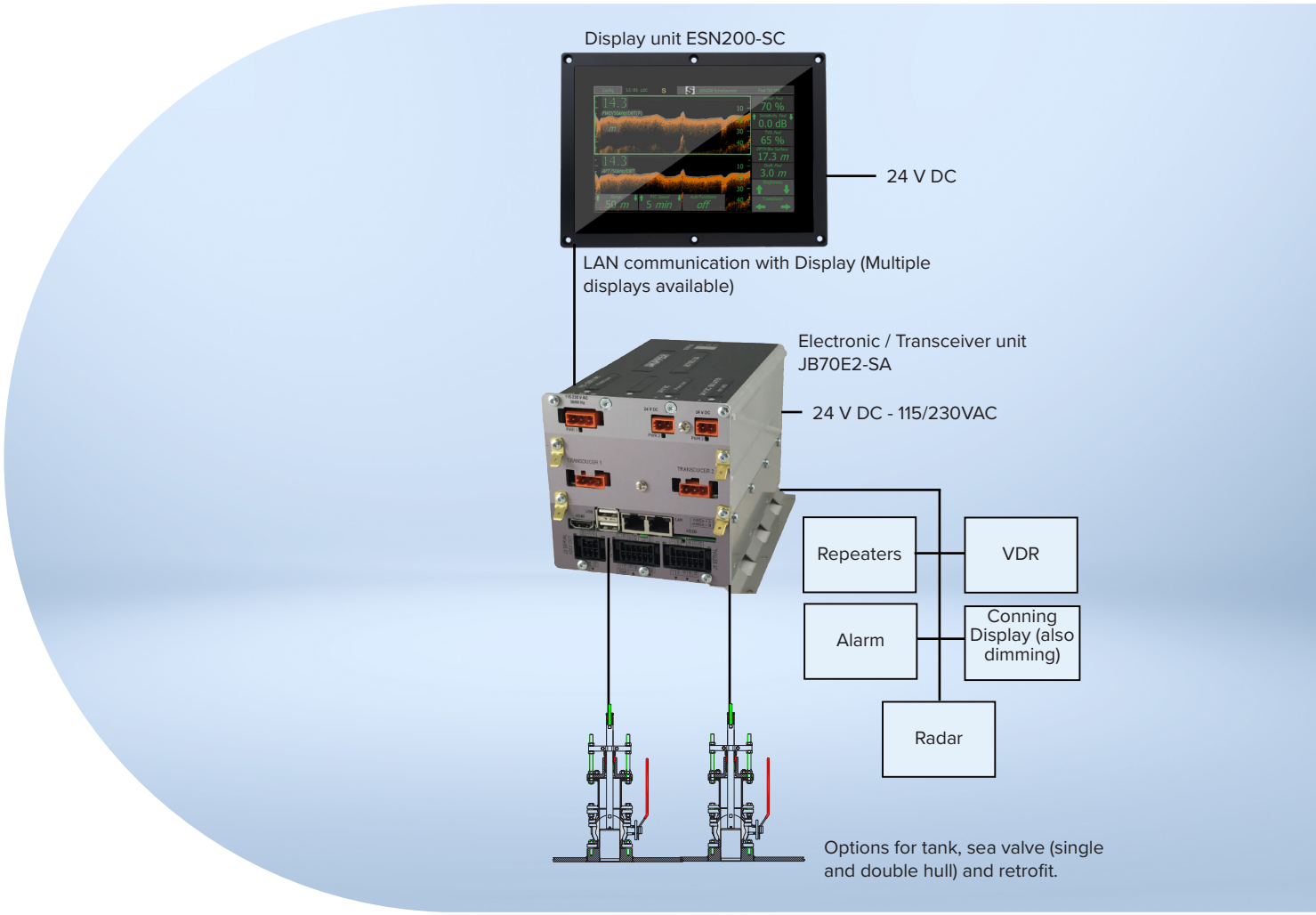
# ESN200

## Navigation Echo Sounder




- Easy and logical operation via a touch display, with fully automatic settings
- Possibility of multiple control units
- Remotely accessible
- Internal diagnostics and built in test
- 2 simultaneous channels, each of which is frequency controllable
- Approvals: CCS, MED-B, MER-B

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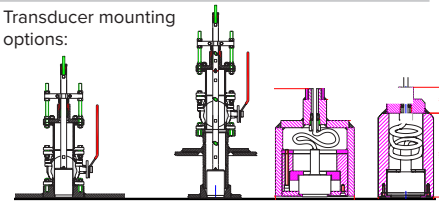
## Product specifications

| PARAMETER | SPECIFICATIONS |
|---|---|
| Channels | Dual channel echo sounder |
| Transducers | 2 Transducer connectors in Electronic / transceiver unit. |
| Frequencies | 7 selelectable frequencies: 24kHz, 30kHz, 33kHz, 38kHz, 50kHz, 100kHz and 200 kHz |
| Power Supply | DC: 20 - 32 V and/or 115/230VAC |
| Power Consumption | Display unit - nominal 6W. Electronic unit 20W. |
| Display | **ESN200-SC**<br>10.1" Capacitive touch. 360NITS<br>Dimensions: 287 x 209.5mm. Weight: 1.4kg<br>2 x LAN<br>3 x NMEA 0183 Outputs (IEC61162-1)<br>3 x NMEA 0183 Inputs (IEC61162-1) |
| Electronic unit<br>JB70E2-SA | Dimension: 115 x 115 x 180mm. Weight:1.5kg<br>2 x LAN (IEC61162-450)<br>5 x NMEA 0183 Outputs (IEC61162-1), 3 x NMEA 0183 Inputs (IEC61162-1)<br>1 x AUX in, 2 x AUX out<br>1 x Relay out |
| Ranges | Selectable from 0 – 5 m to 0 – 5000 m |
| Wheelmark approved SKIPPER transducers with expected depth limits | 50/200kHz ETS50200XT/XG: Max Power 60% 1m – 450m<br>200kHz ETN200(X)T: Max Power 100% 1m – 350m<br>200kHz ETN200S(X)T/G: Max power 70% 1m – 200m<br>50kHz ETN050(X)T/G: Max power 70% 1.5m – 500m<br>38kHz ETN038T/G: Max power 100% 2m – 1200m<br>*Other retrofit versions of the same transducers are available.* |
| Not wheelmark | 24kHz ETN024T/G: Max power 100% 2m – 2100m |
| Measuring Accuracy | 1-10m: Accuracy 0.1m. Resolution = 0.1m<br>10m-100m: Accuracy 1%. Resolution = 0.1m<br>100m-5000m: Accuracy 1%. Resolution Display = 1m NMEA = 0.1m |
| Output power | Nominal 700W. Max >1000W |
| User functions | Auto mode (for all settings)<br>Manual control: SNR, Power, TVG, Frequency<br>Transducer setup by part number<br>Diagnostic screens / BIT<br>Dimming (remote or local) |
| Print/Archive function | Printer available for sale: EPSON 350 (European version).<br>Network printers / Review: Service software via LAN Extended Internal Logging, by USB or SD |
| Depth alarms | BAM compatible (IEC62923) ALF or ALR. Internal sounder. Relay output and AUX in/out. |
| Options | IR31Dim Remote/Automatic dimming unit<br>CD401MR-SC Multi-repeater<br>CD401MR-SB Multi-repeater<br>TS-104 Transducer selector<br>ENS518-SA Transducer selector<br>Code AC-G001 Synch functions<br>Code AC-G002 GPS printer function |

Transducer mounting options:

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