

Specification

1. TRANSDUCER 6 kHz - 4 pieces.

Broadband omni-directional flooded ring transducer for long range transmission.

Technical Specification:

- Operating depth: unlimited
- Resonant Frequency: 6 kHz
- With acoustic calibration certificate
- Useful operating Frequency Band: at least 4 kHz to 8 kHz
- Beam Pattern Horizontal: Omni ± 2 dB up to 8 kHz
- Beam Pattern Vertical: Toroidal
- Transmit Sensitivity for 6 kHz: min. 140 dB re 1 μ Pa/V @ 1m
- The difference in TVR values for the band from 4 kHz to 8 kHz should not exceed 6 dB
- Receive Sensitivity for 6 kHz: min. -176 dB re 1 V/ μ Pa
- The difference in RS values for the band from 4 kHz to 8 kHz should not exceed 6 dB
- Cable Length: min. 20 m
- Cable Type: Polyurethane Jacket, Screened Twisted Pair
- Operating Temperature: od -5 do +40 °C

2. TRANSDUCER 9/15 kHz - 4 pieces.

Broadband hemispherical transducer for long range transmission.

Technical Specification:

- Operating depth: at least 1500 m
- Resonant Frequency: 9/15 kHz
- With acoustic calibration certificate
- Useful operating Frequency Band: at least 7 kHz to 17 kHz
- Beam Pattern Horizontal: Omni ± 2 dB
- Beam Pattern Vertical: hemispherical for 8 kHz
- Transmit Sensitivity for 12 kHz: min. 130 dB re 1 μ Pa/V @ 1m
- The difference in TVR values for the band from 7 kHz to 17 kHz should not exceed 6 dB
- Receive Sensitivity for 12 kHz: min. -183 dB re 1 V/ μ Pa
- The difference in RS values for the band from 7 kHz to 17 kHz should not exceed 9 dB
- Cable Length: min. 20 m
- Cable Type: Polyurethane Jacket, Screened Twisted Pair
- Operating Temperature: od -5 do +40 °C

3. TRANSDUCER 24 kHz –4 pieces.

Broadband cylindrical transducer for communications and range tracking.

Technical Specification:

- Operating depth: at least 2000 m
- Resonant Frequency: 24 kHz
- With acoustic calibration certificate
- Useful operating Frequency Band: at least 16 kHz to 30 kHz
- Beam Pattern Horizontal: Omni \pm 2 dB
- Beam Pattern Vertical: Toroidal
- Transmit Sensitivity for 24 kHz: min. 136 dB re 1 μ Pa/V @ 1m
- The difference in TVR values for the band from 16 kHz to 30 kHz should not exceed 12 dB
- Receive Sensitivity for 24 kHz: min. -190 dB re 1 V/ μ Pa
- The difference in RS values for the band from 7 kHz to 17 kHz should not exceed 9 dB
- Cable Length: min. 20 m
- Cable Type: Polyurethane Jacket, Screened Twisted Pair
- Operating Temperature: od -5 do +40 °C

Minimum warranty period: 12 months

Maximum delivery time: 12 weeks from signing the contract