

Simrad 38/200 Combi W

Dual frequency echo sounder transducer

Introduction

The Simrad 38/200 Combi W is a dual frequency transducer (38 and 200 kHz), and both frequencies operate with wide beams (31°). This makes the transducer perfect for shallow water fish detection using the 200 kHz frequency, and excellent for bottom discrimination from shallow depths and down to several hundred meters using both frequencies.

The transducer is not suited for scientific use.

Order numbers

Transducer: KSV-208845

Mounting ring: ES1-208846 (*)

Clamping ring: ES1-203672 (*)

(*) These items must be ordered separately.

Technical specifications

Please note that the specifications can be altered without prior warning.

38 kHz

- Resonant frequency: 38 kHz
- Directivity: 15.5 dB
- Side lobes: Less than -15 dB
- Back radiation: Less than -20 dB
- Max. pulse input: 400 W
- Max. continuous input: 4 W
- Source level: 208 dB re 1 μ Pa
- Transmitting response: 164 dB re 1 μ Pa per V
- Receive sensitivity, open circuit: -184 dB re 1V per μ Pa

200 kHz

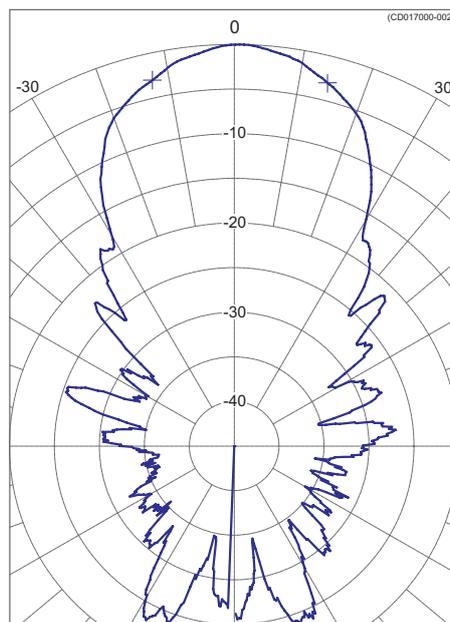
- Resonant frequency: 200 kHz
- Directivity: 16 dB
- Side lobes: Less than -20 dB
- Back radiation: Less than -30 dB
- Max. pulse input: 250 W
- Max. continuous input: 2,5 W
- Source level: 197 dB re 1 μ Pa
- Transmitting response: 155 dB re 1 μ Pa per V
- Receive sensitivity, open circuit: -197 dB re 1V per μ Pa



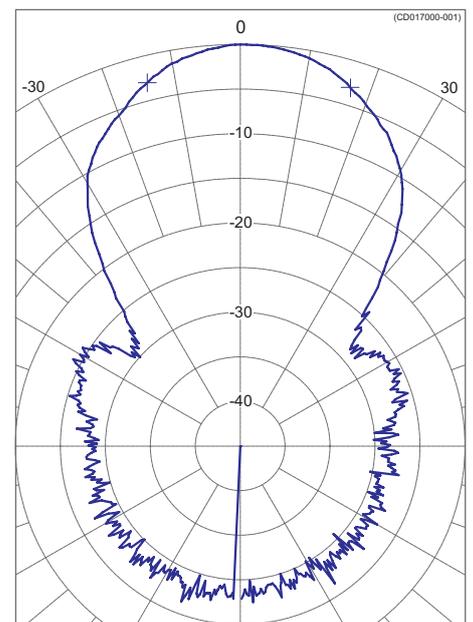
Common

- Circular beamwidth: 31°
- Nominal impedance: 75 ohms
- Maximum transducer depth: 20 m
- Cable length: 15 m
- Cable diameter: 10.6 \pm 0.5 mm
- Weight with cable: 5 kg
- Storage temperature: -20 to 70°C

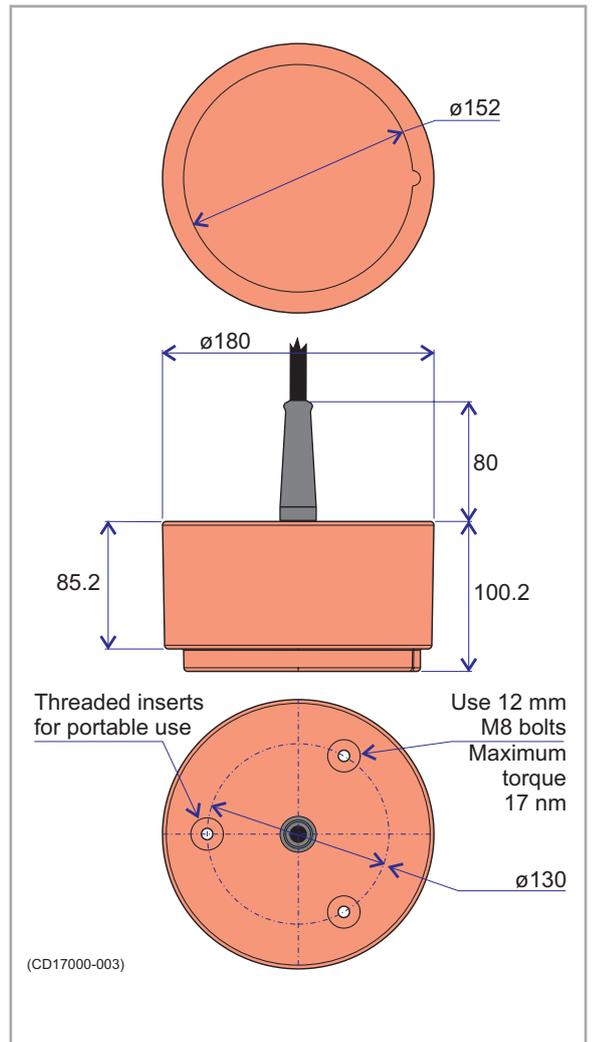
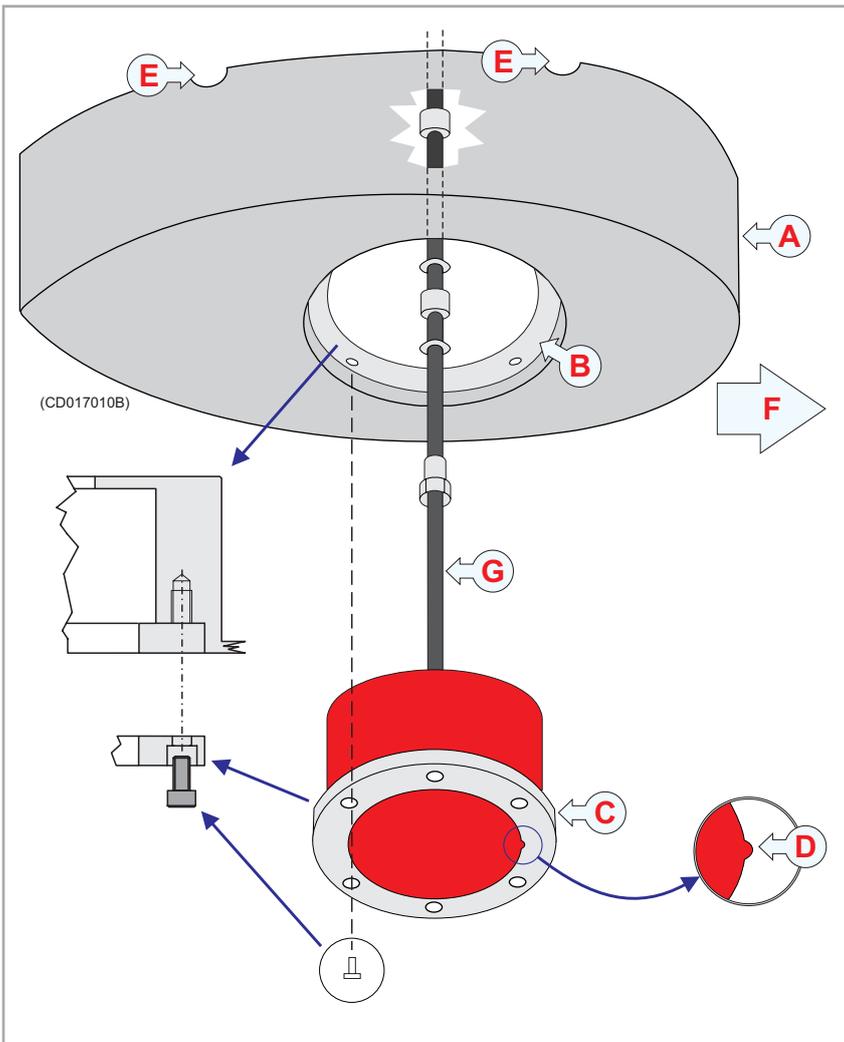
Note: The transducer must be submerged in water when transmitter power is applied. Transmitting in air will damage the transducer permanently.



Beam pattern, 38 kHz



Beam pattern, 200 kHz

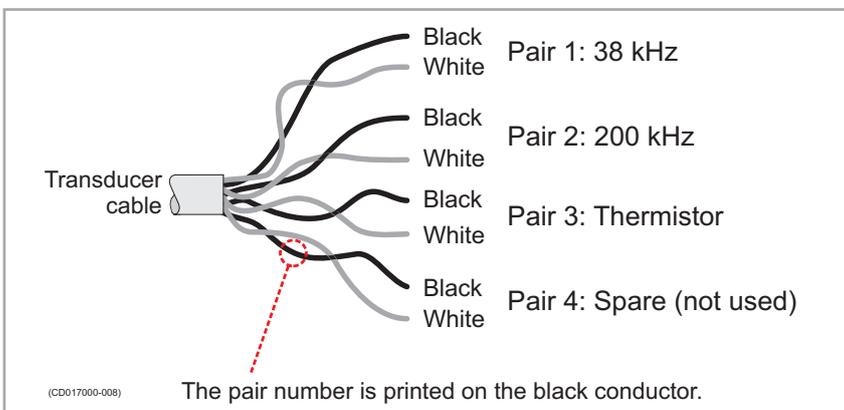


Installation principle

- A) Streamlined blister
 - B) Mounting ring
 - C) Clamping ring
 - D) Guide
 - E) Air outlet
 - F) Forward
 - G) Transducer cable
- For more information regarding the installation, refer to the *Simrad 38/200 Combi C Installation manual*.

Outline dimensions

All dimensions in mm



Cable termination

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