

EM302 – 30 kHz multibeam echo sounder



Specifications:

Overall info

- Operating frequency : 30 kHz
- Depth range : 10-7000 m
- Swath width : 5.5xDepth to approx 8 km
- Pulse forms : CW and FM chirp
- Swath profiles per ping : 1 or 2
- Sounding pattern : Equidistant/equiangular
- Sidelobe suppression : >25 dB
- Suppression of sounding artefacts : 9 frequency coded transmit sectors
- Beam focusing : On transmit (per sector) and on reception (dynamic)
- Beamforming method : Time delay
- Gain control : Automatic

Motion compensation

- Yaw : ± 10 degrees
- Pitch: ± 10 degrees
- Roll: ± 15 degrees

Standard features

- Seabed imagery/sidescan sonar image
- Water column display
- Mammal protection

Additional features

- Multi frequency operation (by integration with EM 3002 and/or EM710)
- Sub bottom profiling (by integration with SBP 300)

All data is acquired in Kongsberg SIS software and post processed using Caris, Hips.

