



Versatile Transponder Marker MOD 2 (NSN 5845-99-957-6424)

The Kongsberg Model 421 Transponder is offered as an update to the successful VTM MOD 1 and MCM Transponders already in service with several Navies worldwide.



Combining the functionality of four naval transponders in one, the unit has been updated using the following design criteria:

- Form – Fit – Function replacement for VTM MOD 1 and RCMD52 Transponders
- Operable with an even wider range of acoustic tracking systems including the US Navy TrackPoint II
- Use of common modules for improved reliability, availability and supportability
- Increased operating range – increased source level
- Extended Mission Duration and depth telemetry operation.

Compatibility

Simrad HPR300 family
 Simrad HPR400 family
 Simrad HiPAP family
 Naval Sonar Type 2059 (Navtrak V)
 Naval Sonar 2093 TBLS (TrackPoint II)

Performance

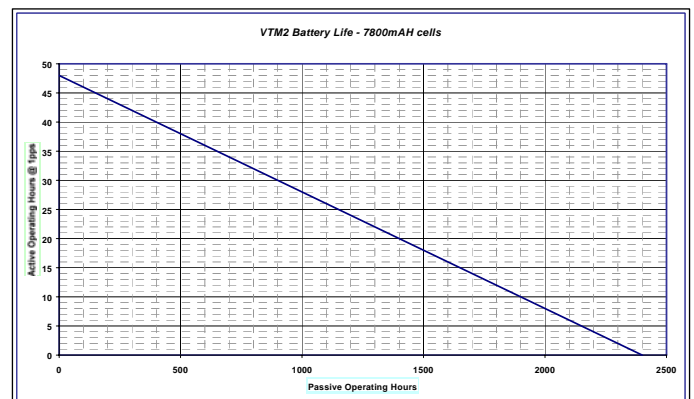
Beam PatternHemispherical
 Frequency Band17kHz to 35kHz
 Transmit Source Level (mid band)
188dB re 1uPa at 1m
 Receive Sensitivity (mid band)110dB re 1uPa
 Depth telemetry (system dependent)
0 to 1000 metres
 Depth telemetry accuracy (typical)
±0.25% of full scale

Mission Length

Battery requirement12 x Alkaline 'C' cells
 Battery life>90 days quiescent
 Or >100 000 replies

Physical

Maximum operating depth1000 metres
 Diameter (main body).....90mm
 Length (excl. retaining lugs)454mm
 Weight in air, mission ready4.3kg
 Weight in seawater1.2kg



Note: Specifications may be changed without notice

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