

S2CR 8/16 LONG RANGE/GREAT DEPTH

Key features

- horizontally and vertically, hemispherical directivity pattern
- 10000 m range

Ideal for

- Deep sea Autonomous under water vehicles/
Remotely operated vehicles



Performance on demand

- All relevant modem settings are software operate and can easily be changed remotely via telemetry
- The maximum transmission power of 80 W provides a huge reserve for crucial situations
- Can be integrated with USBL model for positioning and tracking along with data transmission

SPECIFICATION

WORKING RANGE.	8000 meters
MAX. ACHIEVABLE RANGE.	10000 meters (with high power in good conditions)
MAXIMUM DEPTH.	100, 1000, 3500 meters (6000 meters deep rated)
HYDROACOUSTIC LINK.	up to 6.9 Kbit/s
INTERFACES.	2 x RS 232 ; Ethernet
INTERNAL DATA BUFFER.	1 MB (user configurable)
ERROR RATE.	less than 10^{-9} (with correction algorithm)
POWER CONSUMPTION.	<i>Standby mode:</i> 3 mW <i>Receive mode:</i> 20..500 mW (adjustable toggle cycle) <i>Transmit mode:</i> For range of 2000 meters - 3 W For range of 4000 meters - 10 W For range of 8000 meters - 40 W high power mode provides up to 80 W for transmission
TRANSDUCER BEAM PATTERN.	hemispherical
OPERATING FREQUENCY BAND.	7 ... 17 kHz
DIMENSIONS.*	
housing	Ø 110 mm; length 260 mm
length with transducer	400 mm
WEIGHT.	
with Aluminium alloy (AlMg) housing, in air / water	4160 g / 1560 g
with Plastic (Delrin) housing, in air / water	2990 g / 490 g
with depth rated Titanium housing, in air / water	7780 g / 5180g

*Deep rated modems are slightly larger