

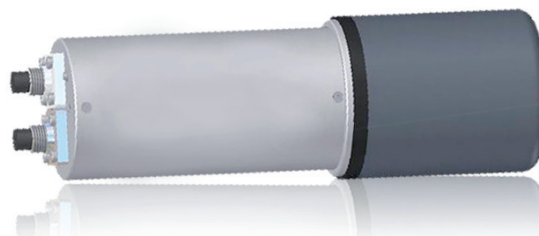
## S2CR 12/22 LONG RANGE/GREAT DEPTH/LOWEST ENERGY

### Key features

- Data rate – 9.2 kbits/ sec
- Suitable for a range of 6000m
- Low energy consumption

### Ideal for

- Deep water applications
- Long term ocean floor observatories



### 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.	6000 meters
MAX. ACHIEVABLE RANGE.	8000 meters
MAXIMUM DEPTH.	100, 1000,3500 meters (6000 meters deep rated)
HYDROACOUSTIC LINK.	up to 9.2 Kbit/s
INTERFACES.	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 1500 meters - 2.5 W For range of 3000 meters - 5 W For range of 6000 meters - 15 W high power mode provides up to 80 W for transmission
TRANSDUCER BEAM PATTERN.	directional 70 degrees
OPERATING FREQUENCY BAND.	12 ... 22 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