

## S2CR 40/80 VERY HIGH SPEED

### Key features

- High Speed – 35.8 kbits/ sec
- Suitable for range of 2000m
- Directional 70 degree beam pattern

### Ideal for

- High speed data rate applications
- Shallow water applications with specified directional operations
- Sea floor observatories
- Operations near noisy conditions



### 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.	2000 meters
MAX. ACHIEVABLE RANGE.	2500 meters (with high power in good conditions)
MAXIMUM DEPTH.	100, 1000, 2000 meters
HYDROACOUSTIC LINK.	up to 35.8 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 250 meters - 2.5 W For range of 500 meters - 3.5 W For range of 1000 meters - 40 W high power mode provides up to 80 W for transmission
TRANSDUCER BEAM PATTERN.	Directional 70 degrees
OPERATING FREQUENCY BAND.	40 ... 80 kHz
DIMENSIONS.	
housing	Ø 100 mm; length 170 mm
length with transducer	260 mm
WEIGHT.	
with Aluminium alloy (AlMg) housing, in air / water	2100 g / 1400 g
with Plastic (Delrin) housing, in air / water	1390 g / 690 g
with Stainless Steel housing, in air / water	8000 g / 5800 g