

S2C R 12/22 MODEM

S2C R 12/22 consumes the lowest power (only 15W) for transmission over a working range of 6000 meters, making it ideal for long term underwater applications.

Ideal application

- Deep water, long term underwater application
- With 70 degree transducer beam pattern, suitable for fixed orientation data transmission



SPECIFICATION

WORKING RANGE.	6000 meters
MAX. ACHIEVABLE RANGE.	8000 meters (with high power in good conditions)
MAXIMUM DEPTH.	100, 1000, 3500 meters (6000 meters deep rated)
HYDROACOUSTIC LINK.	nominal bitrate up to 10 Kbit/s
INTERFACES.	2 x RS 232 ; Ethernet (other options available)
INTERNAL DATA BUFFER.	1 MB (user configurable)
ERROR RATE.	less than 10 ⁻⁹ (with correction algorithm)
POWER SOURCE.	external 24V DC (Optionally 12V DC)
POWER CONSUMPTION.	<i>Standby mode:</i> 3 mW <i>Receive mode:</i> 5..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 conical beam of 70 degrees
OPERATING FREQUENCY BAND.	12 ... 22 kHz
DIMENSIONS.*	
housing	Ø 100 mm; length 200 mm
length with transducer	330 mm
WEIGHT.	
with Aluminium alloy (AlMg) housing, in air / water	3580 g / 980 g
with Plastic (Delrin) housing, in air / water	2930 g / 430 g
with deep rated Titanium housing, in air / water	7350 g / 4750g

*Deep rated modems are slightly larger