

# Seatooth® S100

Wireless Data logger/ Multiplexer/ Controller

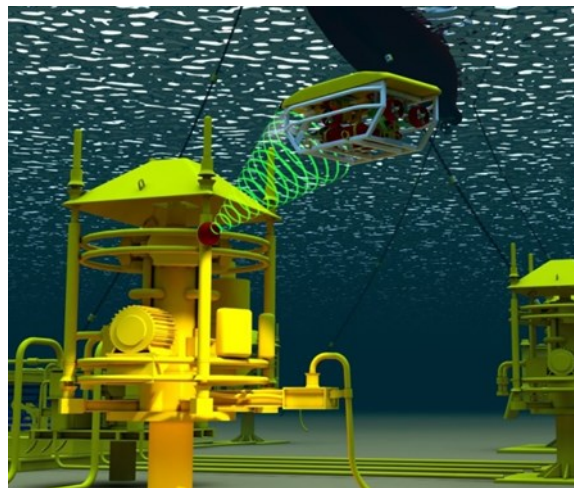


## Wireless Control:

- ROV / subsea panels
- ROV / skids
- ROV / SMC (Subsea Control Modules)
- Attitude monitoring skids
- Drilling 'bullseye'
- Water injection SCADA
- Jacket SCADA strain, vibration, CP networks
- BOP SCADA networks
- Wireless release

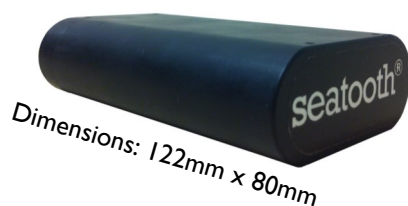
## Wireless Data logging

- Pipeline pre-commissioning
- Pipeline and riser temperature, vibration, strain
- Condition monitoring sensors on pumps, separators
- Survey pressure data
- Environmental monitoring sensors
- Cathodic Protection data recovery from pipelines, manifolds, risers



## Wireless Multiplexer

- ROV wireless networks: analogue, digital and serial sensors interfaced with SCM via RS-232 or RS-485
- 'Universal Jumper' for ROV and subsea control systems



150m version of S100



350m version of S100



4000m version of S100

## CONTACT US



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# Seatooth® S100

Wireless Data logger / Multiplexer / Controller



Function	Wireless Modem, Wireless, Wireless Data logger, Wireless Multiplexer, Wireless Controller
Range/Antenna	<b>Standard:</b> 5m/15ft <b>Extended range:</b> 6.5m/20ft
Depth Rating	<b>Standard:</b> 350m <b>Optional :</b> 4,000m
Operating Temperature	-10 to + 60°C
Storage Temperature	-20 to + 60°C
Storage	8MB of non-volatile memory (32MB option)
Data Communications Interfaces	RS232, RS485
Data logger	Sample rate: up to 50 samples/sec
Networking	Static mesh of up to 99 nodes Option: 256 nodes
I/O Interfaces	2 x 4-20mA inputs 2 x Digital outputs 2 x Digital inputs 2 x Relay Sinks
Data Rate	<b>Standard:</b> 2.4 kbps <b>Optional:</b> 4.8 kbps
Power Consumption	Transmit: 1-7W Receive: 86mW Sleep: 5mW Wake up by radio, real time clock or Digital Input
Battery	Rechargeable Lithium, 4 x 3.6V
Input Voltage Range	12-30V DC
Dimensions	350m enclosure: 261mm x 76mm 4000m enclosure: 249.5mm x 91mm
Display (option)	4 X 7 segment
Additional features:	<ul style="list-style-type: none"> <li>• Addressable</li> <li>• 99 unique IDs</li> <li>• Mechanical ON/OFF switch</li> <li>• Integrated LED in end cap – flashes ON for 10 sec when switched on</li> <li>• If battery in good condition, flashes green; if battery low, flashes red.</li> </ul>
Time accuracy	+/-3ppm at 25°C, +/-25ppm from -40°C to +85°C.
Frequency tolerance	25°C: ±10ppm typ, ±20ppm

### How to Order Seatooth® S100

To order a Seatooth® S100 Controller select the appropriate codes from the options below.

**Seatooth® S100 Controller Example code: 102 - 232 - 035 - 1a** (Seatooth S100 Controller for a subsea project at 350m depth, with RS232 interface and a rechargeable battery but no internal antenna)

