⌂ FOCUS
TECHNOLOGY SOLUTIONS

Seatooth S100 Pipe Logger

Non-intrusive, pipe-mounted wireless monitoring system

Focus Technology Solutions delivers subsea pipeline temperature logging solution, which can be easily deployed or retrieved by ROVs and divers.

Key Capabilities

Subsea pipe Logger technology provides

- Measurement of core pipe temperature
- Data recovered wirelessly by ROV or diver at a download rate of 10,000 samples /min
- Data logger capacity of 400,000 time-stamped data points
- Range of 5m through seawater, concrete blanket or seabed
- Unique power management technology support deployment of up to 10 years
- Alternative to intrusive hardwired monitoring, no shutdown required

Sensors

Standard temperature:	Range: 0- 200°C
Optional temperature:	Accuracy: +/- 2°C on metal pipe; +/- 10% when on insulated pipe -50°C-200°C for use with choke control

Gyro

Range:	+/- 250 degree/sec
Accuracy: Fixed Bias:	+/- 3%
RMS Noise:	0.06 degree/sec
Cross-Axis Sensitivity:	+/- 2%

Accelerometers

Range:	+/- 2g
Accuracy: Fixed Bias:	+/- 3%
RMS Noise:	4 mg
Zero-g Output:	+/- 80 for X & Y axis, +/- 150 for Z axis

Datalogger

Capacity:	Up to 400,000 readings; Sample rate: user configurable 1/min to 1/month Thruster (vertical)
Data upload times:	- 1500 logs (1 log per minute over 24 hrs) upload time
Battery:	3.6V dry cell units, non-rechargeable; Battery life: 2 years (optional 10 years)

Mounting arrangements

Sensor mount:	Magnetic with spring load
Pipe Logger mount:	2 magnets hold in place; Optional tie-straps

Seatooth® S100 Radio

Bandwidth:	2.4kbps
Range:	Standard: 5m (15ft) ; Option 6.5m (20ftRMS Noise:: 4 mg
Data Connection:	RS232 or RS485
Dimensions:	Standard: H: 250mm W: 85mm L:330mm Compact: H: 237mm W: 200mm L:590mm Thick insulation: H: 368mm W:275mm L:250mm

FOCUS TECHNOLOGY SOLUTIONS