



The SeaLink™ Passive or Active in-line tension module delivers accurate, real-time cable tension monitoring and integrated seismic data acquisition for offshore marine seismic operations.

Designed to operate within the SeaLink™ Recording System, the module provides continuous load measurement for streamer, source, and topline systems while maintaining reliable telemetry and seismic performance in demanding offshore environments.

The module is housed in a rugged 3.0-inch OD titanium enclosure with double O-ring sealing and nitrogen fill, providing corrosion resistance and reliable operation under extreme pressure and environmental conditions.



Key Features:

- Real-time cable tension monitoring and load verification
- 24 seismic channels per module
- Titanium pressure housing
- Configurable alarm for over- and under-tension conditions

Applications:

- Streamer topline monitoring
- Marine 2D / 3D / 4D seismic acquisition
- High-resolution and ultra-high-resolution seismic surveys
- HR3D and UUHR3D operations

Tension Cell Specifications:

Measurement Range	0-20,000 lbs
Accuracy	±6% (0-1,200 lbs)
Operational Temperature	-15°C to +71°C
Crush Depth	1,524 m
Readout Units	lbs or kg

Mechanical Specifications:

Length	15.763 in (400.38 mm)
Overall Length	21.233 in (539.31 mm)
Outside Diameter	3.0 in (76.2 mm)
Weight In Air	8 lbs (3.63 kg)
Weight In Water	4 lbs (1.81 kg)

SeaLink Repeater Module

The SeaLink repeater module is designed to extend uplink and downlink telemetry for streamer configurations exceeding 300 meters in length. The repeater shares the same physical dimensions and form factor as the SeaLink 24 channel module and operates from a 750–800 mA DC constant current loop at 8 VDC, with approximately 6 to 6.5 Watts.

The SeaLink repeater does not contain analog circuitry for seismic data collection and does not reduce the system’s available channel count.

Each repeater module is housed within a rugged titanium module featuring dual O-ring sealed and an internally pressurized design. The module is rated for 1,524 meters of crush depth, ensuring reliable operation in demanding offshore environments.

Note: Any SeaLink 24 channel module can function as a full-feature repeater when correctly configured within the Cable Set File.

Seamap (U.K.) Ltd.

Unit 34, The Maltings, Charlton Estate
Shepton Mallet, Somerset, BA4 5QE, U.K.
Tel: +44 [0] 1749 342223
Fax: +44 [0] 1749 347588
Email: seamapsales@mind-technology.com

MIND Technology

2002 Timberloch Place, Suite 400
The Woodlands, TX 77380
United States of America
Tel: +1 281-353-4475

Seamap Pte Ltd.

51 Changi North Crescent
Singapore 499626
Tel: +65 6545 1054
Fax: +65 6545 0585

