

Lampris

SCIENTIFIC GRADE DEPTH & TEMPERATURE SENSOR

Wireless subsea monitoring — precision sensing, logged and delivered from source to cloud.

Lampris, the Succorfish Depth & Temperature Sensor, is a **compact, fully wireless device** designed for accurate and reliable environmental monitoring in demanding marine environments. Built with **high-precision Keller sensor technology**, it delivers dependable depth and temperature measurements, supported by integrated high-frequency data logging to ensure no loss of critical information.

As part of the Succorfish REM product range, it pairs seamlessly with the **SC2 Gen 3** to provide dual data capability — real-time transmission via GSM or satellite alongside secure onboard storage — ensuring continuous data collection even outside coverage. A fully sealed, cable-free design with **Qi wireless charging** and **Bluetooth Low Energy** makes it a low-maintenance, low-cost solution for fisheries compliance, scientific research, and environmental monitoring.



>4000 m
DEPTH RATING

±0.1 °C
TEMP ACCURACY

BLE 5.4
CONNECTIVITY

Qi Wireless
CHARGING

BENEFITS

WHY IT STANDS OUT



High Precision Sensing

Powered by Keller sensor technology, delivering accurate depth and temperature measurements with consistent performance in harsh marine environments.



Integrated Data Logger

High-frequency sampling with 512 KB of onboard memory storing up to 29,400 data records — complete mission datasets for compliance, research, and detailed analysis.



Wireless Operation

No cables or connectors — fewer failure points, faster deployment, and easier retrieval in the field.



Qi Wireless Charging

Enables a fully sealed design with no exposed contacts — eliminating corrosion risk while keeping recharging simple and efficient.



Smart Connectivity (BLE)

Nordic Bluetooth Low Energy enables seamless interaction via the Succorfish App — configure the device, download logged data, and run diagnostics.



SC2 Gen 3 Integration

Seamless pairing enables GSM and satellite communication, supporting REM compliance and reliable remote monitoring.



Built on Succorfish GIGO Technology

High-integrity data capture from source to cloud through accurate sensing, reliable logging, and secure transmission.



Applications

Fisheries REM compliance, scientific research and oceanography, gear performance monitoring, and environmental data collection.



MECHANICAL

Dimensions	130 × 56 × 30 mm
Weight	310 grams
Housing	Fully sealed subsea housing



BATTERY & POWER

Battery type	Li-ion
Capacity	3450 mAh
Operational voltage	3.6 V
Input voltage	5 V (Wireless)
Charging	Qi-compatible wireless



BLUETOOTH 5.4

BLE 5.4

Secure configuration & data transfer

AES HW encryption

EasyDMA



DATA & STORAGE

Onboard memory	512 KB
Storage capacity	Up to 29,400 data records

SC2 via BLE connectivity

Succorfish App



SENSORS

Manufacturer	Keller
Measurement type	Pressure-derived depth + temperature
Depth accuracy	±0.02% FS
Temperature accuracy	±0.1 °C
Sampling	Configurable interval (1 sec +)



DEPTH RATING

Sensor depth rating	>4000 m
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ENVIRONMENTAL

Operating temperature	-20 °C to +60 °C
Storage temperature	-20 °C to +70 °C
Vibration	Milspec 810G
Waterproof	Fully sealed subsea housing



MOUNTING OPTIONS

Ergonomic design

2× tether points

Ready to deploy high-integrity subsea data?

Talk to the Succorfish team about Lampris and the wider REM product range.

Succorfish Ltd

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