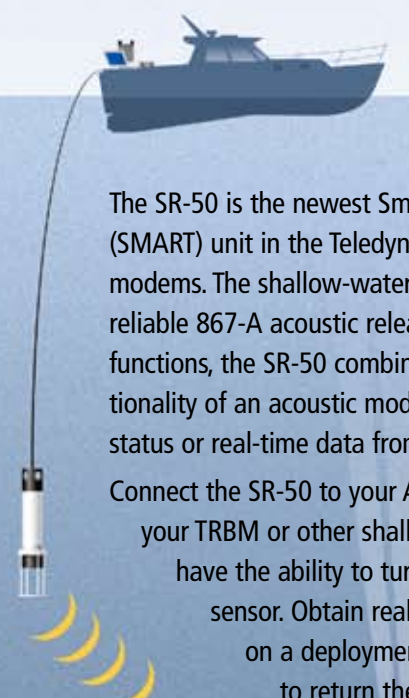# SR-50
SMART RELEASE

Shallow water acoustic release and modem

The SR-50 is the newest Smart Modem Acoustic Release Technology (SMART) unit in the Teledyne Benthos line of combined acoustic releases/modems. The shallow-water release design is taken from the stable and reliable 867-A acoustic release platform. In addition to the acoustic release functions, the SR-50 combines the reliable undersea communications functionality of an acoustic modem. This allows users to obtain deployment status or real-time data from their instruments.

Connect the SR-50 to your ADCP, CTD, or other instruments in your TRBM or other shallow-water frame and you instantly have the ability to turn your subsea instrument into a wireless sensor. Obtain real-time data, get battery information, check on a deployment, and then use the acoustic release function to return the entire package to the surface.

Key features:
- Range
- Data transfer
- Wireless sensors capability
- Battery voltage status (SR-50 and your instrument)
- Easy-to-use GUI software
- 2 data interface ports for multiple subsea instruments

SR-50 with remote transducer head shown connected to an ADCP and CTD, providing real-time data from both instruments.

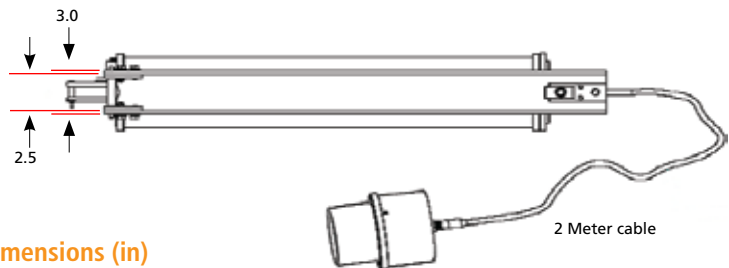**TELEDYNE** BENTHOS
A Teledyne Technologies Company

SR-50 SMART Release

SHALLOW WATER ACOUSTIC RELEASE AND MODEM

Technical Specifications

Release Load Capacity:	500 lb (225 kg)
Lift Load Capacity:	1,000 lb (455 kg)
Depth Rating:	1,000 ft (300 m)
Operating Range:	5-10 km slant range using Benthos deck set
Transducer Pattern:	Omni-directional in upper hemisphere
Transmit Frequency:	9.0-14.0 kHz
Release Method:	Motor-driven, high-torque rotating shaft
Power Source:	30 alkaline D cell pack, 28 A-h
Operating Life:	Up to 2 years
Weight in Air:	Approximately 30 lb
Dimensions:	29.4 in (74.7 cm) overall length x 7.8 in (19.8 cm) diameter (housing width plus strong back)
Data Transfer Rate:	140 to 15,360 bps
Connector:	External RS-232 (two)

SR-50 dimensions (in)

2 Meter cable
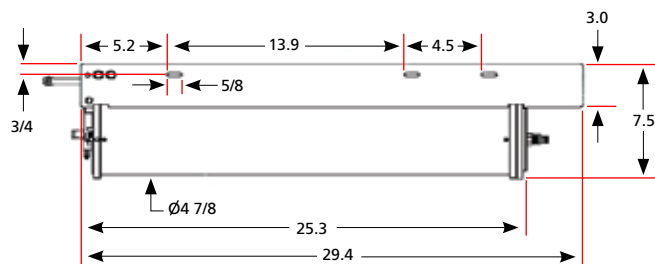
TELEDYNE BENTHOS
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