

DIVE-TRAK PRO

Diver Navigation System



- **Accurate to within One Meter**
- **Range of 750 meters**
- **Built-in Electronic Compass**
- **Mark Targets Covertly**
- **Easy to operate**

The Dive-Trak Pro is the next generation in diver marking and relocation equipment. Using the latest in underwater acoustic technology, the Dive-Trak Pro allows divers to mark targets underwater and relocate them up to 750 meters (2250ft) away.

While most underwater marking and relocation system use active acoustic technology to locate targets underwater, the Dive-Trak Pro uses a coded based system that provides range and bearing to the marked target. Using this approach, a diver can accurately relocate an underwater target within 1 meter (3ft) with a minimum amount of bottom time.

The Dive-Trak Pro consists of two components. The ATT-400 Acoustic Target Transponder, which is used to mark underwater targets, and the DTI-300 Diver Transponder Interrogator, which navigates the diver to marked location.

Marking a location is easy using the ATT-400 Acoustic Target Transponder. The ATT-400 is a small, self contained, acoustic transponder that activates once it is placed in the water. Once the ATT-400 is deployed, it will remain covertly activated for up to 6 months while it waits to receive a coded interrogation signal from the DTI-300. The ATT-400 can be program to operate on eight (8) different channels, allowing the diver to mark and relocate eight different locations simultaneously.

The DTI-300 is a small battery operated transponder interrogator that is ergonomically designed to be operated by a diver. A LCD display provides navigation data to the diver while sealed switches allow the diver access to control functions of the unit. Once an ATT-400 has been interrogated, the DTI-300 provides accurate range and bearing to the transponder. In additional, an internal electronic compass assists the diver in navigating the marked location.

The Dive-Trak Pro comes with a 12-month warranty and is supported by RJE International, Inc, whose reputation for product support, training and service is second to none.

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DTI-300 Diver Transponder Interrogator



Designed for use by divers, the DTI-300 Diver Transponder Interrogator accurately navigates a diver to a target or location that has been marked with an ATT-400 Underwater Transponder to within 1 meter (3ft). Once activated, the DTI-300 sends a coded acoustic beam through the water up to 750(2250ft) meters away. Once an ATT-400 receives this signal, it responds to the DTI-300 and, through this communication protocol, the DTI-300 provides range and bearing to the diver.

The DTI-300 is a multi-channel system that allows the diver to track up to eight different ATT-400's for up to 6 hours. Using sealed switches on the panel of the DTI-400, a diver can select the corresponding channel on the LCD display for the ATT-400 to be located.

The LCD displays range and bearing to the selected ATT-400, compass heading, verification of sending a transmit signal and receiving one for an ATT-400, and a low battery condition.

SPECIFICATIONS

Transmit Frequency	26Khz
Receive Frequency	27,28,29,30,31,32,33, 34Khz
Acoustic Output	180db
Acoustic Signal	Coded
System Range	750 meters
Control Switches	Sealed Piezo-ceramic
Display	LCD
Battery	Rechargeable
Operational Life	12 hours
Depth Rating	100m (330 ft)
Housing	Aluminum
Size	30cm(L) x 18cm(W) x 9cm(H) 12in(L) x 7in(W) x 3.5in(H)
Weight	In Air: 2.9Kg (8 lbs.) In Water: -0.185Kg (-0.5 Lbs)
Electronic Compass	
Accuracy	<0.5° to 1.5° RMS
Repeatability	± 0.3°
Pitch and Roll	
Range	± 40°
Accuracy	± 0.4° @Tilt< 20° ± 0.6° @Tilt≥ 20°
Repeatability	± 0.2°
Resolution	± 0.1°

Specifications are subject to change without notice

ATT-400 Acoustic Target Transponder



The ATT-400 is a small battery operated underwater acoustic that works with the DTI-300 to mark and relocate targets underwater in ranges of 750 meters(2250ft). Once deployed, a water switch activates the transponder where it can remain in the receive mode for up to 6 months waiting quietly for an interrogation signal for the DTI-300 Diver Transponder Interrogator. Once interrogated, the ATT-400 responds to the DTI-300 using eight different user programmable channels.

In addition, the ATT-400 is positively buoyant and requires no additional flotation so deployment is easy. Constructed of non corrosive material, the ATT-400 can be deployed to depth of 100 meters.

SPECIFICATIONS

Receive Frequency	26Khz
Transmit Frequency	27,28,29,30,31,32,33, 34Khz
Acoustic Output	180db
Acoustic Signal	Coded
System Range	750 meters
Activation	Water Switch
Battery	9 Volt Battery
Operational Life	6 Months
Depth Rating	100m (330 ft)
Housing	Aluminum
Size	21cm(L) X 6.4cm(D) 8.50in(L) X 2.50in(D)
Weight	In Air: 0.37Kg (1 lbs.) In Water: Positively Buoyant

Specifications are subject to change without notice



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