

UAT-376/UAT-387 SERIES ACOUSTIC TRANSPONDERS

LOCATOR

- TRACKPOINT II COMPATIBLE
- CAN BE USED AS EITHER A RELOCATION OR NAVIGATION TRANSPONDER
- USES 9V BATTERIES
- SMALL SIZE AND WEIGHT



UAT-376 ACOUSTIC TRANSPONDER

The Benthos UAT-376 Acoustic Transponder is a general purpose, acoustic ranging device for underwater applications. Operating in the mid-range frequency band of 20 to 35 kHz, the UAT-376 is designed to be used with a variety of diver or ship-installed acoustic interrogators, including the Benthos DRI-267 Diver Ranger. The UAT-376 can be deployed in depths up to 3300 feet (1000 meters) and uses readily available off-the-shelf batteries. The UAT-376 is compatible with ORE TrackPoint II and LTX navigation systems. The system is rugged, versatile and is designed to meet your custom applications.

APPLICATIONS

■ RELOCATION TRANSPONDER

The UAT-376 can be used with the DRI-267 Dive Ranger Transponder Interrogator for marking and relocating of underwater sites where stealth is a concern.

■ NAVIGATION TRANSPONDER

Compatible with the ORE Trackpoint II and LTX navigation systems.

UAT-376/EL LONGLIFE ACOUSTIC TRANSPONDER

A stretched housing design offers an extended battery life for longer deployments.

Operational Life:

Six 9V Alkaline: 12 months or 450,000 replies.

Six 9V Lithium: 24 months or 900,000 replies.

Housing Dimension:

Length: 11.88 in. (30.2 cm).

Diameter: 2.0 in. (5.08 cm).

SPECIFICATIONS

Operating Range:

Receive: 26 kHz.

Transmit: 25, 27, 28, 29, 30, 31, 32 kHz.

Acoustic Output Power: 180db ref 1μPa 1M.

Turn Around Time: 20 ms standard.

Pulse Width: 5 ms.

Power Source: Two 9V alkaline or lithium batteries.

Operational Life:

9V Alkaline: 4 months or 150,000 replies.

9V Lithium: 8 months or 300,000 replies.

Operational Depth: 2460 ft. (750 M).

Housing Material: Aluminum.

Housing Dimensions:

Length: 7.25 in (18.42 cm).

Diameter: 2.00 in (5.08 cm).

Weight in Air: 1.5 lbs. (0.68 kg).



BENTHOS

Benthos, Inc. • 49 Edgerton Drive • North Falmouth, MA 02556 USA

Tel: 508 563-1000 • Fax: 508 563-6444 • E-mail: info@benthos.com

www.pingers.com or www.benthos.com

ACOUSTICS

FLOTATION

GEOPHYSICAL

HYDROPHONES

IMAGING

MODEMS

LOCATOR

ROBOTICS

UNDERWATER ACOUSTIC TRANSPONDERS

UAT-387 ACOUSTIC TRANSPONDER

The Benthos UAT-387 Acoustic Transponder is a general purpose underwater ranging device operating in the 30 kHz frequency range. This transponder can be used in conjunction with a variety of diver and ship-installed acoustic interrogators such as the Benthos DRI-267A Dive Ranger. It is powered by an alkaline battery pack and can be deployed to depths up to 6600 feet (2000 meters).

This transponder is highly versatile and Benthos produces different configurations for a variety of applications. One such configuration is the UAT-387E Emergency Acoustic Transponder used for the marking of diving bells and submersibles. Challenge us with your special needs.

As with all Benthos locator products the UAT-387 is rugged, reliable and well-suited for hostile environments.



SPECIFICATIONS

Operating Frequency:

Receive:

9, 11, or 26 kHz.

Transmit:

20 to 40 kHz
(user-selectable).

Acoustic Output Power:

188 db ref 1 μ Pa @ 1m.

Turn Around Time:

20 ms standard.

Stability:

± 0.1 ms.

Acoustic Receiver Sensitivity:

75db ref 1 μ Pa @ 1 m.

Pulse Width:

7 ms.

Power Source:

Replaceable alkaline
battery pack.

Operational Life:

1 Year or 300,000 replies.

Operational Depth:

6562 ft. (2000 m).

Housing Material:

Aluminum.

Housing Dimensions:

Length:

13 in. (33 cm).

Diameter:

3.5 in. (8.9 cm).

Weight in Air:

4 lbs. (1.81 kg)

APPLICATIONS

● Side Scan Sonar Transponder

The UAT-387 can be used with side scan sonar systems. The unit replies to the side-scan interrogation and provides a unique signature on the side-scan's graphic recorder.

● Target Transponder

The UAT-387 operates with scanning sonars such as Mesotech, UDI, and Trittech for targeting and relocation.



BENTHOS

Benthos, Inc. • 49 Edgerton Drive • North Falmouth, MA 02556 USA

Tel: 508 563-1000 • Fax: 508 563-6444 • E-mail: info@benthos.com

www.pingers.com or www.benthos.com

Specifications subject to change
without notice. 4/02

© 2002 BENTHOS, INC.

Benthos and the Benthosaurus
fish logo are registered trademarks
of Benthos, Inc. Other products
and company names mentioned
herein may be trademarks and/or
registered trademarks.