

The Datasonics UAT-387 Acoustic Transponder is a general purpose underwater acoustic ranging device which operates in the 30 kHz frequency range.

The UAT-387 can be used with a variety of diver and ship installed acoustic interrogators like the Datasonics DRI-267 "Dive Ranger". Powered by an alkaline battery pack, the UAT-387 can be deployed in depths up to 6600 ft. (2000M).

Datasonics has produced several versions of this versatile transponder. A popular version is the UAT-387E Emergency Acoustic Transponder which is used for the marking of diving bells and submersibles and is manufactured in accordance with Det Norske Veritas specifications.

Datasonics has manufactured this model with operating frequencies of up to 675 kHz and welcomes special application requests.



Specifications

| | |
|--------------------------------|--------------------------------------|
| Operating Frequency | |
| Receive: | 26 kHz |
| Transmit: | 20 to 40 kHz (User-Selectable) |
| Acoustic Output Power: | 188 db ref 1 microPa @ 1m |
| Turn around time: | 20m/sec standard |
| Stability: | + 0.1 m/sec |
| Acoustic Receiver Sensitivity: | 75 db ref 1 microPa @ 1m |
| Pulse Width: | 7m/sec |
| Power Source: | Replaceable Alkaline Battery Pack |
| Operational Life: | 1 Year or 300,000 replies |
| Operational Depth: | 6600 ft. (2000 M) |
| Housing Material: | Aluminium |
| Housing Dimensions | |
| Length: | 13 in. (33 cm) |
| Diameter: | 3.5 in. (8.9 cm) |

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 Tritech for targeting and relocation.

