

CAT

COASTAL ACOUSTIC TRANSPONDER

FEATURES

- Easy maintenance
- Small lightweight package
- Full transponder capability
- 2 years on alkaline batteries
- Secure command coding
- Tilt / no tilt indications



CAT - end cap with zinc anode



PACS Deck Box for acoustic command and control of the CATS

The Coastal Acoustic Transponder (CAT) is ideal for deployments in coastal environments. The acoustic command structure is the same as that used in all of our underwater acoustic releases and transponders and is unsurpassed in multi-path environments.

The CAT has been designed for use as an underwater instrument location and positioning aid. They have applications as part of the recovery system on oceanographic moorings and platforms. The precision, high output power and commandable transponder feature make these instruments ideal for use with positioning systems in difficult acoustic environments.

The CAT utilizes EdgeTech's field proven Binary Acoustic Command System (BACS) code structure. The BACS coding structure provides 12,000 possible secure command codes. Each transponder is factory programmed with its own unique command set which includes transponder ENABLE, DISABLE. Whenever the instrument receives a command it responds with a status reply message which indicates the orientation of the instrument (tilted or not tilted).

The transponder function can be turned on or off with the ENABLE and DISABLE commands. When disabled the transponder will not reply when interrogated. This ensures that the unit will not interfere with nearby instruments and that no battery energy is wasted replying to interrogate signals meant for other systems.

For more information please visit www.EdgeTech.com

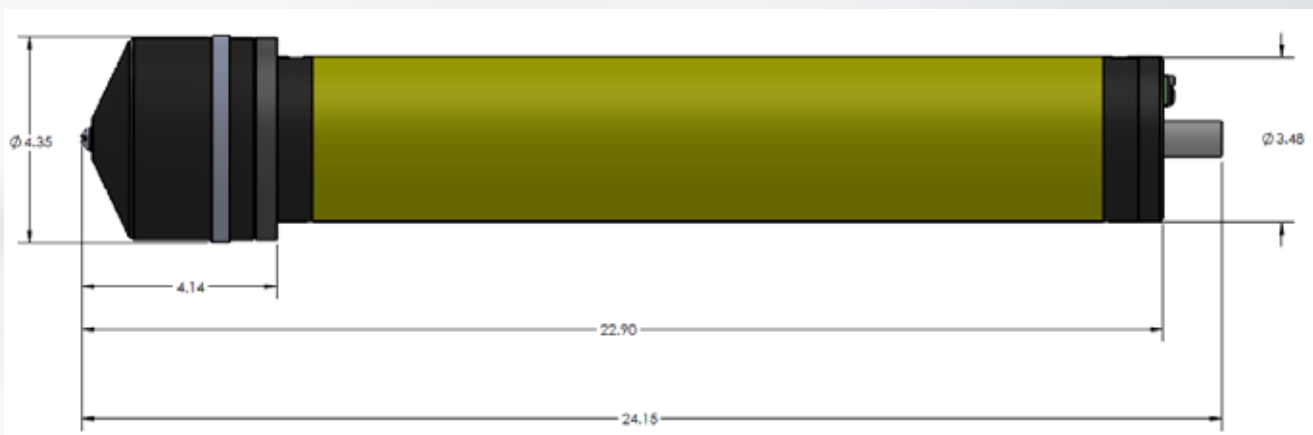
info@EdgeTech.com | USA 1.508.291.0057

CAT

COASTAL ACOUSTIC TRANSPONDER

KEY SPECIFICATIONS

MECHANICAL	
Depth rating	3500 meters (11,482 ft)
Length	58 cm (22.9 in)
Diameter of Housing	8.8 cm (3.48 in)
Weight in air	6.4 kg (14.1 lbs)
Weight in water	2.57 kg (5.7 lbs)
Exposed materials	Hard Coated Aluminum and Epoxy Painted
ELECTRICAL	
Command frequencies	9.3 to 10.7 kHz
Command codes	BACS commands (EdgeTech formerly ORE Offshore)
Transmit Source Level	192 dB re 1 micro Pascal
Receiver sensitivity	100 dB re -1uPascal-meter



EdgeTech Coastal Acoustic Transponder (CAT) Outline Drawing (in inches)

For more information please visit www.EdgeTech.com

info@EdgeTech.com | USA 1.508.291.0057