

Ultra-Compact Gold Code Pinger

with Depth Sensor
with Depth and Temperature Sensors

Using Gold Code Signals which Have Minimal Interference
Capable of Receiving & Analyzing Multiple Pingers Simultaneously

Ideal for Various Studies and Researches Using Ultrasonic Biotelemetry

4 Functions in One Pinger

- | | |
|------------------------|--|
| ① Compact | One of the World Smallest |
| ② Long Distance | Max. 500m |
| ③ Long Lasting Battery | 1 Year (depending on the pinger's transmitting interval) |
| ④ Multi IDs | Multiple pingers can be identified simultaneously. |

Examples of usage in various survey and research

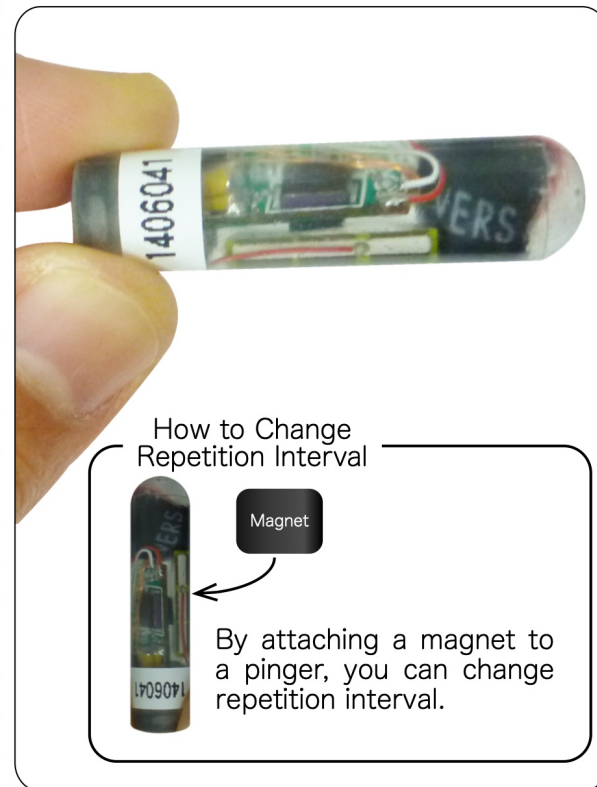
- Tuna Tracking
- Behavior studies of shark and red bream
- Squid Observation
- Rockfish Observation
- Seal Tracking

The Pinger can also be attached to a net or other fishing gear to check the depth.

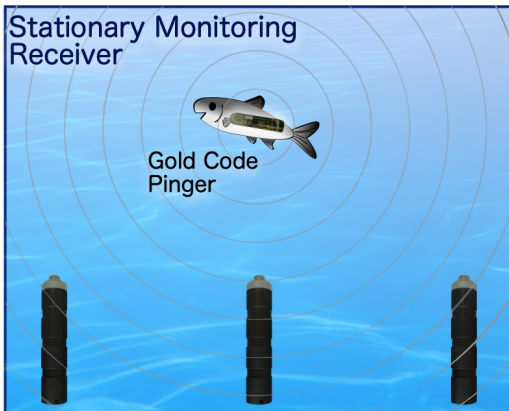
* Gold Code is a Pseudo Noise (PN) code with minimal interference among signals

Specifications

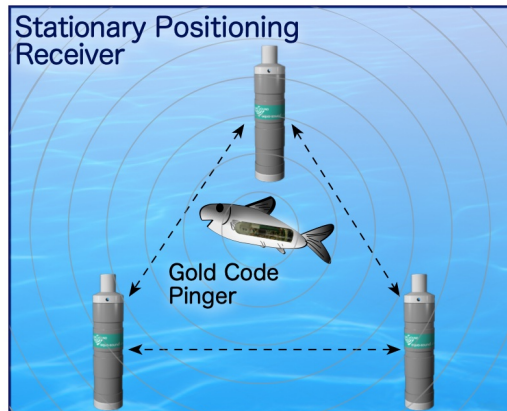
	with Depth Sensor [AQPX-1030P]	with Depth and Temperature Sensors [AQPX-1040PT]
Transmitting Frequency	62.5kHz	
Transmitting Interval	4 patterns can be specified (1-260sec.)	
Battery Life	(for 180secs. interval) 12 mths	(for 260secs. interval) 12 mths
Sound Source Level	155dB re 1 μPa at 1m	
Depth Range	full-scale max. 2000m	full-scale min. 50m (Accuracy: 1% of full scale)
Temperature Range	—	-5 ~ 35°C (Accuracy: ±0.2°C)
Transmission Signal	31bits gold code signal	
Multi IDs	1024 possible IDs (depending on combination of 2 pulses)	32,768 possible IDs (depending on combination of 3 pulses)
Modulation	Phase Modulation	
Transducer	Multi Layer PZT	
Max. Distance	Approx. 500m (depending on the surrounding noise, depth, etc.)	
Max. Depth	Approx. 2000m	
Size	φ9.5×36mm	φ9.5×43mm
Weight in Water	1.6 g	1.8 g



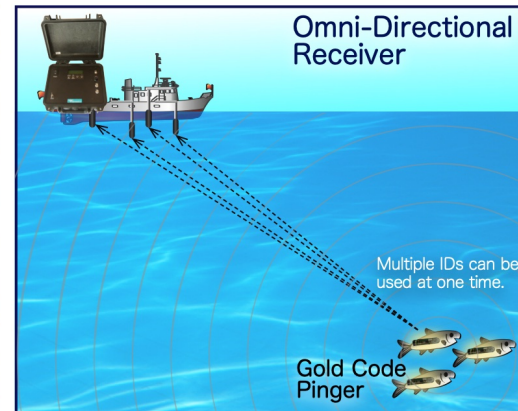
Compatible Receiver



Capable of recording received signals from multiple Gold Code pingers simultaneously for up to 2 months



Capable of identifying positions from GC pingers' information recorded in multiple receivers



Display real-time direction and depth by calculating the difference of receiving times from 4 receivers

Meeting the needs of marine research by using Underwater Acoustic Technology



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Specifications are subject to change without notice.

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