



Towed Pinger Locator

Phoenix International is a worldwide recognized expert in the field of deep ocean search and recovery. We have over 20 years of experience in this area and hold a contract with the U.S. Navy for conducting worldwide rapid response undersea search, salvage, recovery, and rescue operations.

To support these operations, Phoenix maintains a fleet of robotic and towed equipment for downed aircraft searches, including a Towed Pinger Locator (TPL) system. Our TPL provides the capability to detect and position emergency locator pingers on downed aircraft to a maximum depth of 6,000 msw anywhere in the world. Emergency locator pingers are mounted directly on the flight data and cockpit recorders, whose recovery is critical to accident investigations.

The system consists of the tow fish, tow cable, winch, hydraulic power unit, generator, and topside control console, although not all of these components are required on every mission. The tow fish carries a passive listening device for detecting pingers that automatically transmit an acoustic pulse. Most pingers transmit every second at 37.5 kHz; however, the TPL can detect any pinger transmitting between 3.5 kHz and 50 kHz at any repetition rate.

Contact us to learn more

www.phnx-international.com

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619.207.0871—San Diego, CA | 228.731.7898—Stennis Space Center, MS



Towed Pinger Locator Specifications

Subsea Unit

Weight in Air	64 lb (29 kg)
Length	28 in (712 mm)
Width	36 in (914 mm)
Height	18 in (457 mm)
Max. Operating Depth	6,000 msw

Topside Link

Any tow cable with 2 conductors	Coax ideal
Max. Cable Length	55,000 ft (18,000 m)
Telemetry Port	Subconn MCBH8M
Pinger Port	Subconn MCBH3M

Topside Unit

Control Unit	Standard 4U, 19 in Rack Mount
Transit Case Dimension	21 in (533 mm) W 26 in (660 mm) D 10.75 in (273 mm) T
Weight	63.5 lb (28.8 kg)
Power Input	110 VAC–230 VAC 50/60Hz
Power Consumption	45 w
Outputs	Unfiltered Hydrophone Filtered Hydrophone Speaker Headphones (x 2)
Indicators	Power Supply Status Data Link Towfish Telemetry Current and Voltage Monitoring



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An employee owned company

