



“We are very pleased with the new Test-It hand held product that Helix helped us develop. It looks great and performs well. This new capability is an industry game changer.”

Russ Blake
Hardware Engineering Manager
Teledyne Benthos® Inc.

Featuring



Teledyne Benthos TESTit® Hand Held Acoustic Tester

The use of the wireless hand-held device eliminates need to release from the deck box and provides information on sub-sea devices

Works in conjunction with Pre-existing Teledyne Benthos Wireless Recovery Subsea Device



Teledyne Benthos TESTit®
Hand Held Acoustic Tester



Project Objective

- Generate industrial design solutions for an environmentally protected, robust hand held enclosure
- Develop user experience scenarios for fluid device operation
- Complete preliminary environmental testing for risk reduction
- Production development

HelixOne Approach

- Review operation and requirements
- Brainstorms with design and engineering teams
- Concept development and refinement
- Develop CAD for prototype development
- Low volume production design
- Prototyping and environmental testing
- BOM, graphics, and materials package



Illumination in low light conditions



Environmental testing

Development...

- Machined ABS housings feature mounting and sealing details
- Housings feature comfortable hand contours, lanyard details and soft feel grip coating
- Oversized keypad with robust tactile features enhances navigation and input
- Various levels of 3D mock-ups and models developed for immediate user feedback
- Preliminary environmental testing to develop and refine sealing strategies

