

Datasheet

Deck Test Unit (DTU)

New 2009 Specification



Description

The Type 8063 Deck Test Unit is a fully portable, splash proof transponder test unit, designed for the harsh environment of the back deck.

The DTU is capable of transmitting and receiving both Sonardyne Wideband™ and Tone acoustic signals in order to test all MF Compatt 5's, DPT's and WSM's functionality.

It is the primary test equipment platform for Sonardyne and other acoustic instruments, both on deck and in the workshop.

Ranging, acoustic command function and the release mechanism can all be tested prior to deployment, using just the test transducer.

If a serial connection is made to the Compatt 5 or DPT, the DTU will extract all the transponder settings needed to be able to test the unit,

simplifying the testing operation.

A WSM responder test capability exists when connected via a serial test lead to the transponder.

The DTU is battery powered and environmentally protected to IP65 and is therefore suitable for operation in most conditions.

The LCD display is designed for reading in sunlight and is back-lit for use in low-light conditions.

Its rechargeable Lithium-Ion battery lasts for at least eight hours of normal testing.

Initially programmed to perform acoustic and cable-connected tests on Compatt 5, DPT and WSM, the DTU firmware can be upgraded to cover other acoustic instruments and additional functionality.

An internal Flash memory card allows the DTU and transponder

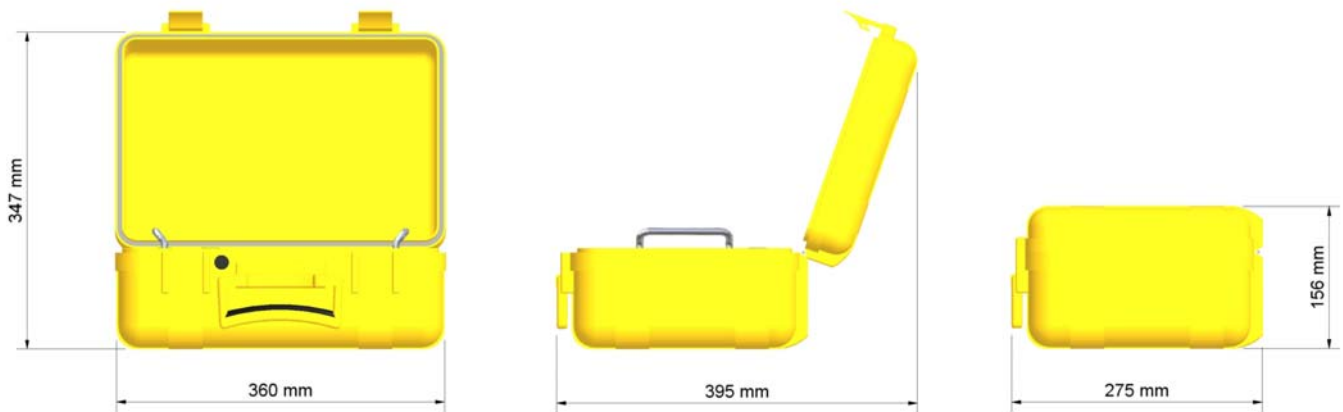
manuals to be read via USB connection to a PC.

Key Features

- Test transponders acoustically including Wideband ranging and commands
- Responder test capability
- Portable, rugged and splash-proof
- Continuous battery life of 8 hours with Lithium-Ion battery
- Universal mains-powered charger
- Display suitable for bright sunlight and low light conditions
- Electronic manuals available via USB connection to PC
- New auto-test features with test records stored to file
- Wideband telemetry link allows sensors to be read and other basic functions via acoustic link
- Firmware upgrades to test other instruments

Specifications

Deck Test Unit (DTU)



Feature	Type 8063
Case	Splashproof, IP65 rated
Display	Back-lit, Sunlight-readable LCD
Battery	Rechargeable 14.8V Lithium-Ion
Battery Life	8 hours in use
Flash Memory	512 Mb
Panel Connectors:	
Power	3 Pin Male Souriau UTS
Acoustic Test Transducer "Wand"	6 Pin Female Souriau UTS
RS232, connection to Instrument	9-way D (male) IP68
USB, connection to PC	Type B USB Panel Mount IP68
Universal Power Pack	100-240VAC, 50-60Hz input, 18V DC output
Dimensions:	
Open (WxDxH)	360mm x 275 mm x 156 mm
Closed (WxDxH)	360 mm x 395 mm x 347 mm
Weight	4kg
Environmental	-10 to 50°C operating & storage