

iWand



The iWand is a handheld acoustic transponder test and configuration device developed for use with Sonardyne's 6G® product range. Being small, rugged and splash proof means the iWand is ideal for setting up equipment in the workshop, on the back deck of a ship, or on ROVs and subsea structures before they are deployed. The simple to use interface and sunlight readable display makes it easy to test, gather and download configurations.

Communication to a transponder is via the acoustic 'Wand' which is held against the transponder's acoustic transducer. This tests the acoustic transmission and reception functions of the transponder ensuring they are operating correctly.

Specifications

Product	iWand
Country of origin	UK
Manufacturer	Sonardyne International Ltd

The iWand is used in conjunction with the 6G configuration software running on a standard PC. It enables all 6G (excluding WSM6, which can only be acoustically tested) transponders to be easily configured. The configuration of the various transponders can then be exported to a document as an audit trail, or to a file that can be imported into Sonardyne positioning system navigation software.

The iWand has various PC connection options: Bluetooth, USB or serial. The USB is used to recharge the internal battery. The internal GPS receiver provides UTC time tagging of communication to transponders and PC and can also be used to synchronise multiple transponders to UTC for logging applications. The Marine Computer can be used freestanding, wall mounted or shelf mounted in a standard 19-inch rack (2U)

Specifications

Material	Rugged polypropylene copolymer case with styrenic over mould shock protection
Dimensions	276 x 84 x 40 mm
Weight	0.8 kg

Specifications

Feature	Type 8315	
Operating frequency	Country of origin	LMF (14–19 kHz), MF (20–34 kHz), HMF (33–50 kHz)
Transducer beam shape (Wand)	Manufacturer	Directional
Case	Dimensions	Rugged polypropylene copolymer case with styrenic over mould shock protection
Keypad	Sealed 5 key navigation pad	
Display	320 x 240 sunlight readable LED display	
Connections	USB Serial Bluetooth BNC	Splash-proof mini-USB Type B IP67 9-way D-Type (male) IP67 V2.1 + EDR Class 2 (+4 dBm) Acoustic wand Acoustic wand
Charging	USB to PC or USB to wall adaptor	
Internal flash memory	1 GB	
Battery	Li-ion 3.7 V 1,300 mAh (typical)	
Battery life	Normal (screen on) Idle (screen off) Off Off for shipping	>5 hours (screen automatically turns off after a selectable period) >12 hours (press a key or 'shake to wake' to turn screen back on) >3 months (press a key to wake) >1 year (requires USB connection to wake)
Operating temperature	-10 to 55°C	
Storage temperature	-10 to 55°C	