WL-21018
LOCATOR-U1

DESCRIPTION
The Locator-U1 is a battery powered, digital hydro acoustic locator device including a depth sensor.

The Locator has 3 mounting holes on each side for M3 screws. A default bracket is included.

The internal battery is rechargeable using a USB-C charger (included). Fully charged, the U1 will be operational for approximately 10 hours.

Before deployment in water, the Locator-U1 needs to achieve a GPS lock. The integrated status-LED shows the condition of the GPS lock.

BENEFITS
• Strap it on to the ROV or diver and start positioning. No cables, no external requirements.
• Extremely small size making it perfect for on-body applications like diving.
• Highly robust operation in areas with reflections (shallow water, around installations etc.)

CONTENTS
• Locator-U1 with integrated Li-Ion battery
• USB-C cable
• Mounting brackets

FAMILY
The Locator-U1 is part of the Water Linked Underwater GPS System.

WL-20118 MASTER-D1
The Master D1 is the digital position computing board. The Locator-D1 connects to the Master-D1 using a cable. The Master-D1 connects to your PC. The Master-D1 is a requirement in a positioning system.

WL-21005 RECEIVER-D1
The Receiver-D1 is a digital hydro acoustic receiver that is designed to receive the signal from a Water Linked Locator. A minimum of 3 Receiver-D1s are required to get the position of a Locator-D1.
MECHANICAL
Depth rating: 300 m
Device length: 130 mm
Device diameter: 32 mm
Device weight in air: 175 g
Operating temperature: -5 to 60 °C

OPERATIONAL
Battery lifetime: ~10 hours
Time to fully recharge: ~5 hours
Charging: 5V, 8W

ACOUSTIC
Range: 100 meter
Directivity: Omnidirectional

CONNECTORS
Charging: USB-C

APPROVALS
RoHS compliant
CE

BLOCK DIAGRAM

DIMENSIONS

ORDERING GUIDE
PART NUMBER
WL-21018-1