WL-21009
LOCATOR-A1

DESCRIPTION
The Locator-A1 is an analog hydro acoustic locator device. The A1 has the smallest physical footprint in our series of locators, and can be integrated into even the most compact ROV system.

The Locator-A1 does not carry its own depth sensor. In an Underwater GPS system, the Master-D1 will require the depth to be provided from the underwater vehicle (ROV etc.) using the Master-D1 software API.

The electrical interface complies with the Water Linked A1 communication standard.

BENEFITS
• Extremely small footprint enabling easy integration in other equipment.
• Highly robust operation in areas with reflections (shallow water, around installations etc.)

CONTENTS
• Locator-A1 with customer specified cable length
• Optional connector

FAMILY
The Locator-A1 is part of the Water Linked Underwater GPS System.

WL-20118 MASTER-D1
The Master D1 is the digital position computing board. The Locator-A1 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-A1.
MECHANICAL
Depth rating: 300 m
Device length: 41,4 mm
Device diameter: 20 mm
Device weight in air: 30 g
Operating temperature: -10 to 60 °C

ACOUSTIC
Range: 100 meter
Directivity: Omnidirectional

CONNECTORS
Max cable length: 300 m
Signaling: 1x twisted pairs
Cable type: PUR 6,3 mm
Cable connector: Binder Series-770 (IP67) or none

APPROVALS
RoHS compliant
CE

BLOCK DIAGRAM

DIMENSIONS

ORDERING GUIDE
PART NUMBER
CONNECTOR TYPE
B Binder Series-770 IP67
N None

CABLE LENGTH
001 1 m
025 25 m
050 50 m
100 100 m
300 300 m