

WL-21005 RECEIVER-D1



DESCRIPTION

The Receiver-D1 is a digital low-noise, high sensitivity hydro acoustic receiver that converts acoustic waves to a digital data stream.

The receiver is equipped with a wideband analog front-end with a large dynamic range followed by advanced digital signal processing functionality.

The electrical interface complies with the Water Linked D1 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

- Receiver-D1 with customer specified cable length
- Optional connector

FAMILY

The Receiver-D1 is part of the Water Linked Underwater GPS System.

WL-20118 MASTER-D1

The Master D1 is the digital position computing board. The Receiver-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-21009 LOCATOR-A1 / WL-21016 LOCATOR-D1 / WL-21018 LOCATOR-U1

The Locator-A1/D1/U1 are hydro acoustic locator devices that transmit acoustic waves which the Receiver-D1s will receive. A minimum of 3 Receiver-D1s are required to get the position of a Locator-A1/D1/U1.



MECHANICAL

Depth rating	: 300 m
Device length	: 71,4 mm
Device diameter	: 20 mm
Device weight in air	: 36 g
Operating temperature	: -10 to 60 °C

ELECTRICAL

Input voltage	: 10-18 V
Input current	: 35 mA

ACOUSTIC

Range	: 100 meter
Directivity	: Omnidirectional

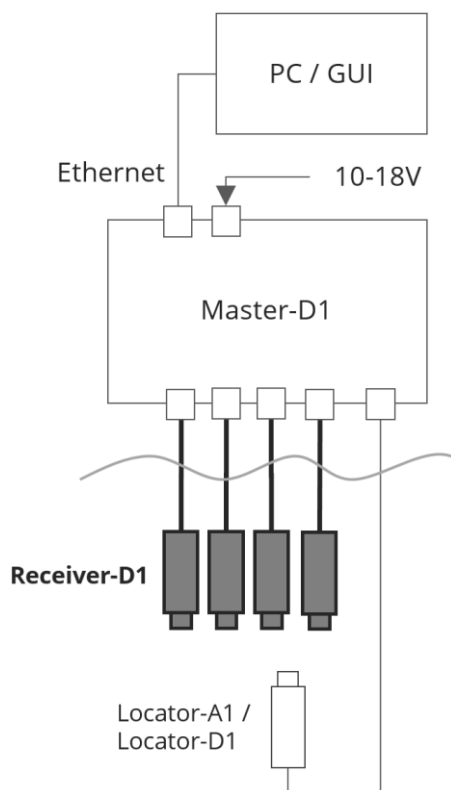
CONNECTORS

Max cable length	: 100 m
Signaling	: 2x twisted pairs
Cable type	: PUR 6,3 mm
Cable connector	: Binder Series-770 (IP67) or none

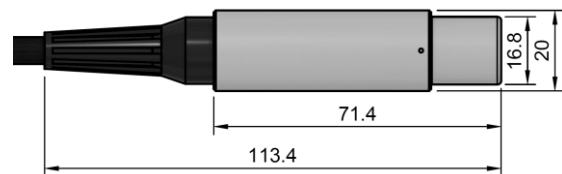
APPROVALS

RoHS compliant
CE

BLOCK DIAGRAM



DIMENSIONS



ORDERING GUIDE

	WL-21005 - N 001
PART NUMBER	
CONNECTOR TYPE	
B	Binder Series-770 IP67
N	None
CABLE LENGTH	
001	1 m
005	5 m
010	10 m
025	25 m
050	50 m
100	100 m

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