

Kongsberg cPAP MKII



KONGSBERG

Quick Reference Guide

Installing the transducer

The transducer needs to be protected during launch and recovery of the ROV.

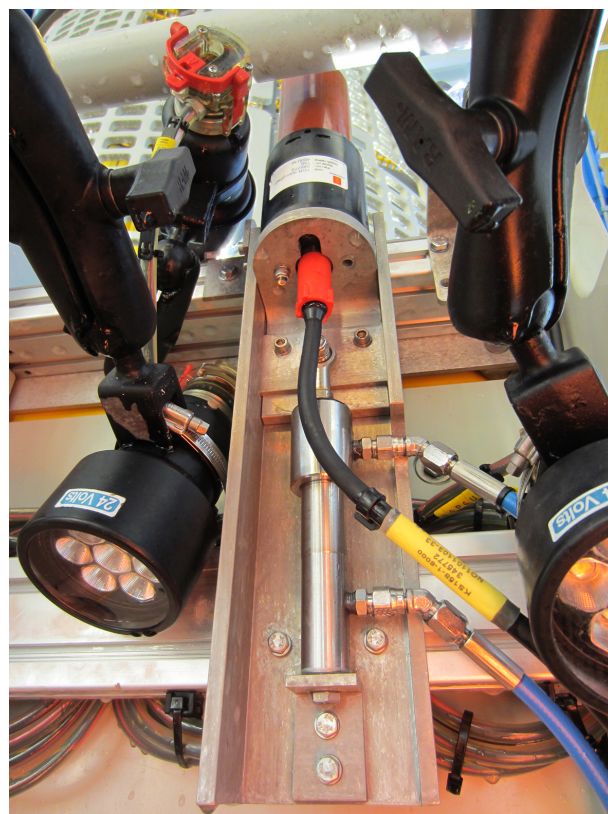
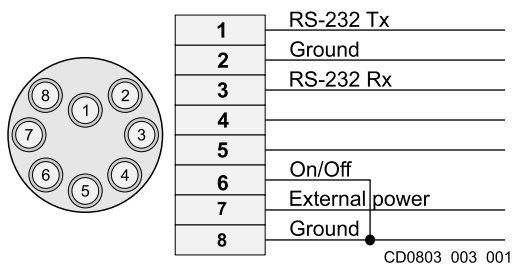
Prerequisites

It is important to get a good line of sight to the LBL transponders while the ROV is navigating close to the seabed.

This can be solved by using a hydraulic ram to raise and lower the transducer as needed.

Connecting power and ground to the transceiver

Context



Procedure

- 1 Connect wire 6 and 8 in the pigtail.
When 6-8 are linked, the transceiver is ON.
- 2 Connect wire 7 to power.
Make sure that the external power supply 24 VDC is between 20 and 28 VDC.
- 3 Connect wire 8 to ground.

Connecting to APOS

Systems without APOS must connect to the User connector.

Procedure

- 1 Connect the RS-232 Tx wire 1 from cPAP to the RS-232 Rx from APOS.
- 2 Connect the RS-232 Rx wire 3 from cPAP to the RS-232 Tx from APOS.

- 3 Connect the RS-232 ground wire 2 from cPAP to the RS-232 ground from APOS.

Pre-deployment checks

Procedure

- 1 Make sure the interface cable is properly fastened and that a dummy plug is installed on the unused bulkhead connector.
- 2 Push the pressure relief valve in to confirm that it is flush with the end cap.
- 3 Perform a communication check with APOS before launching.
- 4 Make sure there will be a free line of sight between the transceiver's transducer and the seabed transponders.

Lubricating SubConn® connectors

Procedure

- 1 Grease the connector with Molykote 44 Medium or equivalent grease.
A layer of grease corresponding to minimum 1/10 of the socket depth should be applied to the female connector.
- 2 Check that the inner edge of all sockets is completely covered, and a thin transparent layer of grease is visible on the face of the connector.
- 3 Fully mate the male and female connector in order to secure optimal distribution of grease on pins and in sockets.
- 4 Open and check for grease on every male pin, to confirm that enough grease is applied.
Add more if necessary.
- 5 Connect and tighten the locking sleeve.

Support information

Should you need technical support for your cPAP MKII you must contact a Kongsberg Maritime office. A list of all our offices is provided on our website. You can also contact our main support office in Norway.

Manuals and technical information can be downloaded from our support website.

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