



# SEA-BIRD ELECTRONICS, INC.

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SBE P/N 50206

DATE	REV	REVISION RECORD	AUTH	DR	CHK
02.99	A	Added Drawing	MJ	CEG	
9.21.04	B	Changed Clamps	CB	KLP	

## SBE 9plus to Chelsea Transmissometer Mount Kit

### KIT CONTENTS

SBE P/N	Manufacturer P/N	Primary SBE Application	QTY
231250	SBE 9plus to Chelsea Mount Block	Secured to Chelsea; Stabilize Xmiss against CTD	2
30409	Teflon Tape	Insulate Stainless Steel hose clamp	4 feet
30882	Bolt, 4mm x .78 Socket cap, Ti	Secure mount blocks to Chelsea	4
31341	Hose Clamp, AWAB 316 SS, #120	Secure Chelsea to CTD	2

### A. INSTALLING TEFLON TAPE ON HOSE CLAMPS

- Hose clamps should have a layer of Teflon tape on the inside. This will insulate against any unlike metal contact.
- Cut a length of Teflon tape for each hose clamp about 3-4" shorter than the clamp.
- Clean inside of hose clamps with alcohol, and apply the tape.
- You may press against the tape to keep it aligned.
- You may also peel it back off to correct as you go.
- Use a sharp blade to cut a notch next to the clamp area.
- Remove any tape hanging over the edge of the hose clamps, leaving a small flap to protect the clamp.

### B. INSTALLING HOSE CLAMPS AND SENSORS ONTO CTDS

- Open hose clamp and wrap it around the CTD.
- Secure end of hose clamp by threading it 1-2 turns into clamp.
- Slip sensor through between hose clamp and CTD.
- Slip mount block through such that it fits properly between sensor and CTD.
- Tighten hose clamp by hand or with an electric screwdriver just until it has pulled out all the slack.
- For plastic housings, you can squeeze and crack the housing by overtightening the hose clamp.*
- For all housings, laws of thermal expansion declare that the sensor may loosen slightly as it becomes very cold.*

### C. INSTALLING CHELSEA TRANSMISSOMETER ONTO SBE 9plus CTD:

- Screw mount blocks onto Chelsea such that concave side faces out. Mount holes are in pairs at either end of the light transmission region.
- Lay CTD on its side, and set Chelsea against it. Blocks should sit flush against the CTD.
- Secure Chelsea to CTD with 2 hose clamps
- Hose clamps should be positioned directly over the mount blocks. You may need to keep them loose and reposition the Chelsea until a secure fit is attained.

SBE DRAWING: 67038

TITLE: SBE 9plus to Chelsea Mount Kit Assembly

REV: A

### Sea-Bird Electronics Procedure

PROCEDURE NUMBER: 67038

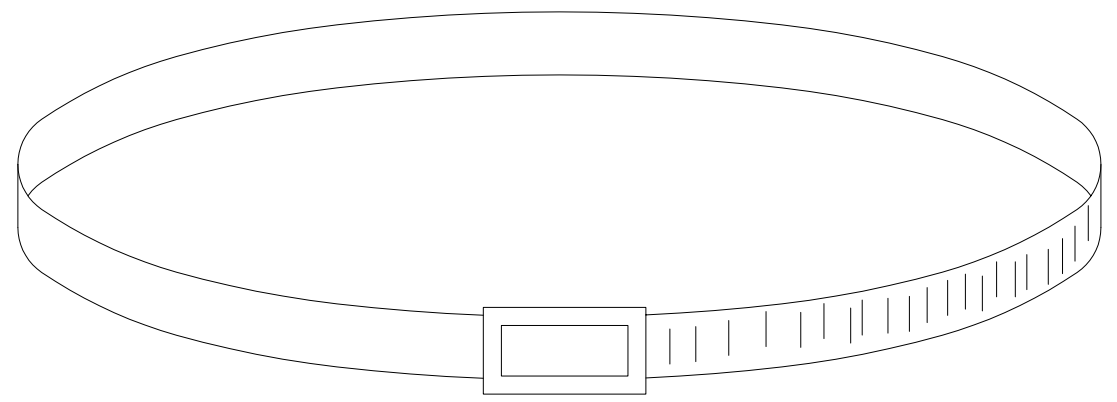
TITLE: **SBE 9plus to Chelsea Xmiss Mount Kit Assembly**

REVISION: **B**

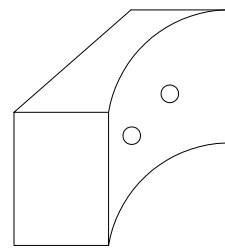
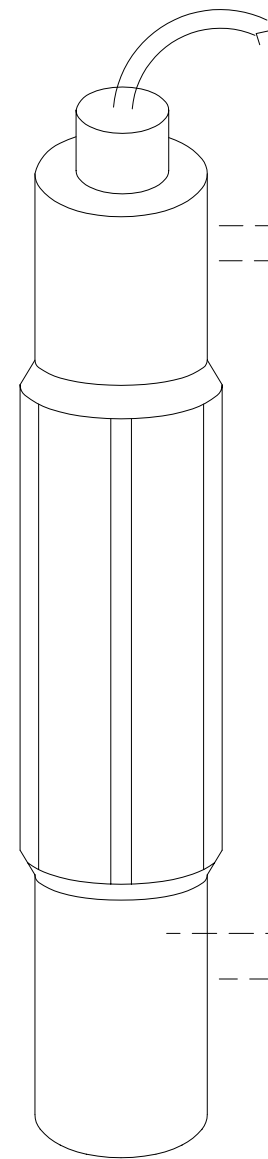
EFFECTIVE DATE: **9.22.2004**

CHECKED BY:   KLP   PAGE 1 of 1

DATE	SYM	REVISION RECORD	AUTH.	DR.	CK.
9.22.04	A	CHANGED CLAMP	CB	KLP	

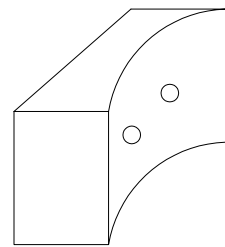


PN 31341 Hose Clamp (2 Places) <sup>A</sup>  
 PN 30409 Teflon Tape (as required)

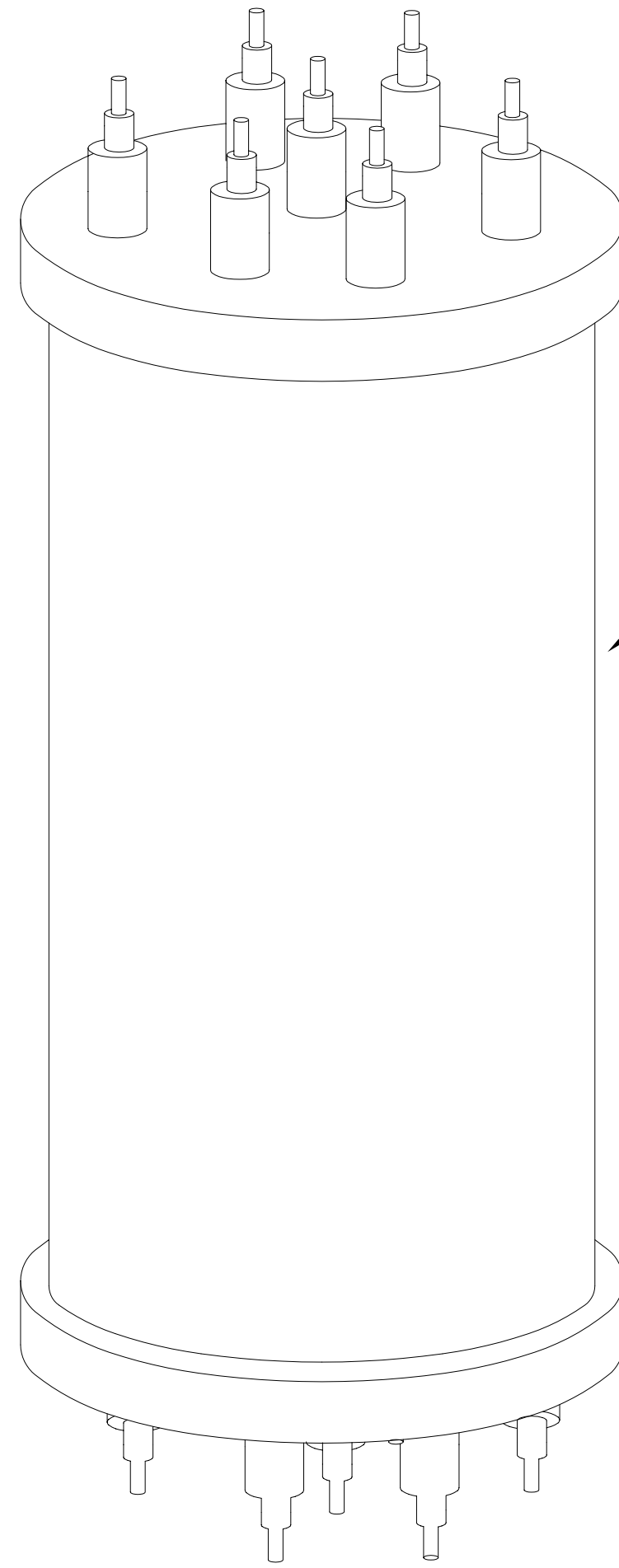


PN 231250 SBE 9plus to Chelsea Mount Block (2 Places)

PN 30882 Bolt, 4mm x .78 Socket (4 Places)



(Chelsea Transmissometer)



(SBE 9Plus CTD)

TOLERANCES	SEA-BIRD ELECTRONICS, INC				
FRACTIONAL	P/N	50206	SCALE	DRAWN BY MJ	
			N.T.S.	APPROVED BY	
DECIMAL	TITLE	SBE 9plus to Chelsea Transmissometer Mount Kit			
ANGULAR	DATE	DRAWING NUMBER	67038	REV A	
	02.22.99				