



1700/1725 Brannum Lane  
Yellow Springs OH 45387  
USA  
tel: 937-767-7241  
fax: 937-767-9320

YSI  
SonTek  
Aanderaa  
WaterLog / DAA  
MJK

Date : 6/9/2014

Estimate for Service Request # : 305359

**Bill To:**

Mbari  
7700 Sandholdt Road  
Moss Landing, Ca-95039

Email/Fax: chuffard@mbari.org  
Contact: CHRISTINE HUFFARD

Customer # : 29188

Quoted by : Baxter, Jason

Please Contact me at

Phone # : 937-767-7241 option 4

Fax # :

Email : repairs@ysi.com

Repair # : 165095

Order #: 653296

| Part #                      | Description                     | List Price | Qty | Charged Price |
|-----------------------------|---------------------------------|------------|-----|---------------|
| ROPTODE                     | REPAIR,OPTODE                   |            |     |               |
| 3964466                     | Sensor Foot,Optode 3830/3835    | \$209.12   | 1   | \$209.12      |
| LABOR-OPTODE<br>LABOR       | Labor-Optode Labor Charge       | \$160.00   | 1   | \$160.00      |
| LABOR-OPTODE<br>CALIBRATION | Labor-Optode Calibration Charge | \$700.00   | 1   | \$700.00      |
| 1206005C                    | Oxygen Sensor Foils             | \$171.67   | 1   | \$171.67      |
| 1560064                     | Lemo Insert Ffa.2S.310.Zla      | \$41.62    | 2   | \$83.24       |

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                        |            |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------|
| Technician's Notes: | <p>MODEL: 3830 SN: 799</p> <p>REPORTED SYMPTOM: NOT COMMUNICATING CONSISTENTLY.</p> <p>TECHNICIAN NOTES:</p> <p>-FOUND SUBSTANTIAL CORROSION INSIDE MBARI COMISSIONED ADAPTER. CORROSION LIKELY CAUSED BY CONDENSATE INSIDE ADAPTER HOUSING (NO DESSICANT PRESENT). ALL O-RINGS INTACT.</p> <p>-REPLACE OPTODE SENSOR FOOT (PART# 3964466) AND 2X 10 PIN LEMO CONNECTORS (PART# 1560064) TO RESTORE OPTODE FUNCTION, COMMUNICATIONS.</p> <p>-PERFORMED VISUAL INSPECTION OUTER HOUSING OK. FOIL HAS DULL, WORN APPEARANCE. REPLACE FOIL WITH PART# 1206005C, RECALIBRATE.</p> <p>-CHECKED FOR ISOLATION BETWEEN HOUSING AND ELECTRONICS. CURRENT CONSUMPTION IN SPEC.</p> <p>-CHECKED FIRMWARE VERSION – OLD = 3.7. UPDATED TO VERSION 3.24.</p> | Total for this Repair: | \$1,324.03 |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------|

Repair # : 165096

Order #: 653296

| Part #                      | Description                     | List Price | Qty | Charged Price |
|-----------------------------|---------------------------------|------------|-----|---------------|
| ROPTODE                     | REPAIR,OPTODE                   |            |     |               |
| 3964466                     | Sensor Foot,Optode 3830/3835    | \$209.12   | 1   | \$209.12      |
| LABOR-OPTODE<br>LABOR       | Labor-Optode Labor Charge       | \$160.00   | 1   | \$160.00      |
| LABOR-OPTODE<br>CALIBRATION | Labor-Optode Calibration Charge | \$700.00   | 1   | \$700.00      |
| 1206005C                    | Oxygen Sensor Foils             | \$171.67   | 1   | \$171.67      |
| 1560064                     | Lemo Insert Ffa.2S.310.Zla      | \$41.62    | 2   | \$83.24       |

PLEASE FAX THIS QUOTE WITH WRITTEN AUTHORIZATION.  
PLEASE INCLUDE YOUR PO#. YSI CANNOT MAKE ANY REPAIRS WITHOUT WRITTEN AUTHORIZATION





1700/1725 Brannum Lane  
Yellow Springs OH 45387  
USA  
tel: 937-767-7241  
fax: 937-767-9320

YSI  
SonTek  
Aanderaa  
WaterLog / DAA  
MJK

Date : 6/9/2014

|                                  |        |
|----------------------------------|--------|
| Estimate for Service Request # : | 305359 |
|----------------------------------|--------|

**Bill To:**

Mbari  
7700 Sandholdt Road  
Moss Landing, Ca-95039

Email/Fax: chuffard@mbari.org  
Contact: CHRISTINE HUFFARD

Customer # : 29188

Quoted by : Baxter, Jason

Please Contact me at

Phone # : 937-767-7241 option 4

Fax # :

Email : repairs@ysi.com

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                        |            |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------|
| Technician's Notes:             | MODEL: 3830    SN: 801                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Total for this Repair: | \$1,324.03 |
|                                 | REPORTED SYMPTOM: CORROSION ON SENSOR<br><br>TECHNICIAN NOTES:<br>-FOUND SUBSTANTIAL CORROSION ON EXTERNAL FOIL SECURING PLATE AND SCREWS, INSIDE MBARI COMISSIONED ADAPTER. CORROSION LIKELY CAUSED BY LOSS OF SENSOR GROUND. ALL O-RINGS INTACT.<br><br>-REPLACE OPTODE SENSOR FOOT (PART# 3964466) AND 2X 10 PIN LEMO CONNECTORS (PART# 1560064) TO RESTORE GROUND, ELIMINATE CORROSION.<br><br>-PERFORMED VISUAL INSPECTION OUTER HOUSING OK. FOIL HAS DULL, WORN APPEARANCE. REPLACE FOIL WITH PART# 1206005C, RECALIBRATE.<br><br>-CHECKED FOR ISOLATION BETWEEN HOUSING AND ELECTRONICS. CURRENT CONSUMPTION IN SPEC.<br><br>-CHECKED FIRMWARE VERSION – OLD = 3.7. UPDATED TO VERSION 3.24. |                        |            |
| Total for this Service Request: |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | \$2,648.06             |            |

**SHIPMENT TERMS:** Once approval is received and parts are available.  
Purchase order or Prepayment  
Net 30 days  
F.O.B Shipping Point  
MasterCard, Visa, and American Express accepted.

**FREIGHT TERMS:** Prepaid and added to Invoice

**NOTES:** This quote does not include any applicable Taxes, and this quote is valid up to 30 days from the date of issue.

PLEASE FAX THIS QUOTE WITH WRITTEN AUTHORIZATION.  
PLEASE INCLUDE YOUR PO#. YSI CANNOT MAKE ANY REPAIRS WITHOUT WRITTEN AUTHORIZATION

