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# ${\rm SAMI^2}$ p<br/>H Validation Certificate

November 13, 2024

Serial Number:

P0116

RMA Number:

785

Technician:

BW

Reagent:

1278

Table 1:  $SAMI^2$  pH E-values.

Ea <sub>434</sub>	$Eb_{434}$	Ea <sub>578</sub>	Eb <sub>578</sub>	
19168.0	2546.0	111.0	41962.0	

## Validation Notes

Tris Batch: 090924

 $\Delta T = 0.17$  °C

Tris Bottle: 5

N = 9

Validation Temp: 24.90 °C

 $\Delta \, \mathrm{pH} = 0.0023 \pm 0.0007$ 

### **Build Notes**

Pressure Test: 200 psi – Passed

Modifications:

New Valve

New Diaphragm

1hour labor

validation

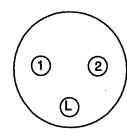
IR Testing

# **INSULATION RESISTANCE TEST: OOI - UW/OSU UNITS**

#### Communications and Power - Ti Bulkhead

(4) (5) (1) (3) (6) (2)

То	p view of MCBH(W	/B)-F	S-6-TI
		Sw	itch
_Pin	Connection	L	R
1	GND (pwr)	1	0
2	Rx (SÄMI)	2	0
3	Tx (SAMI)	3	0
4	V+ (PWR)	4	0
5	RTS	0	1
6	GND (com)	0	2
,		·	



Pump			
Bulk	head		
		****	

Top view of MCBH(WB)-FS-2-Ti

	Switch		
Pin	Connection	L	R
1 2	GND PWR +	0	3 4
L '	Locate	•	

- 1. Plug test cable(s) into SAMI bulkhead(s) and immerse unit past bulkhead connection. Allow to soak for at least 2 hours.
- 2. Plug anode into Common on Fluke 1507. Black jumper connects 'Insulation' to box banana receptacle.
- 3. Set Fluke 1507 to 50V range and proceed to test each switch position in table below by pressing the 'Test' button. Hold 'Test' button until reading stabilizes. Record the insulation resistance value in table. Note that one of the switches is zero in each condition.
- 4. If out of spec (<10 M $\Omega$ ), contact customer w/r/t replacement of suspected parts (typically penetrator, bulkhead or biofouling cable).
- 5. Replace suspected part and re-test if needed.

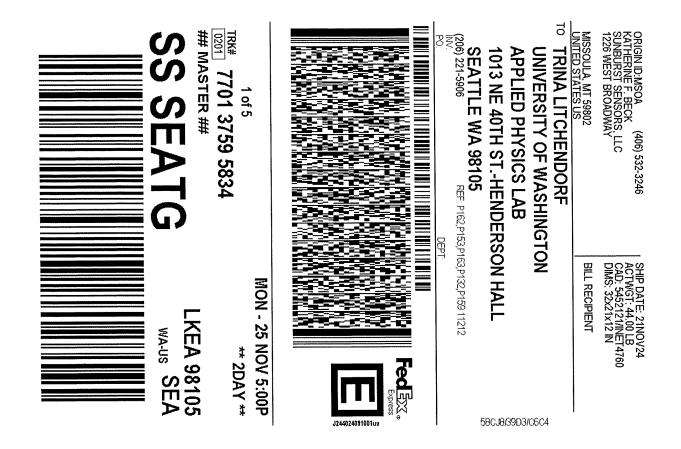
Conne ction	Left switch	Right switch	Resistance (MegaOhms)	Re-Test Resistance ((MegaOhms)
GND	1	0	755	>55
Rx	2	0		
Tx	3	0		
V+	4	0		
RTS	0	1		
GND	0	2		4
GND - Pump	0	3	X	×
V+ - Pump	0	4	X	X

UNIT # P116

DATE 11-13-24

Technician Signature

Notes:



#### After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.

2. Fold the printed page along the horizontal line.

3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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