

Sunburst Sensors, LLC 1226 W Broadway Ave Missoula, MT 59802 +1 406 532 3247

 ${\rm SAMI^2~CO_2~Calibration~Certificate}$

December 30, 2019

Serial Number:

c116

RMA Number:

NA'

Technician:

BW

Reagent:

btb0278

Table 1: SAMI² CO₂ calibration parameters.

A	В	C	K_{434}	K_{620}	T_{avg}	Range (ppm)
0.0723	0.5023	-1.3099	0.7311	1.2579	3.7634	202 – 1497

Table 2: Blank intensities.

Source	Reference	Signal	
Dark	53	60	
434 nm	3199	2361	
620 nm	1664	2087	

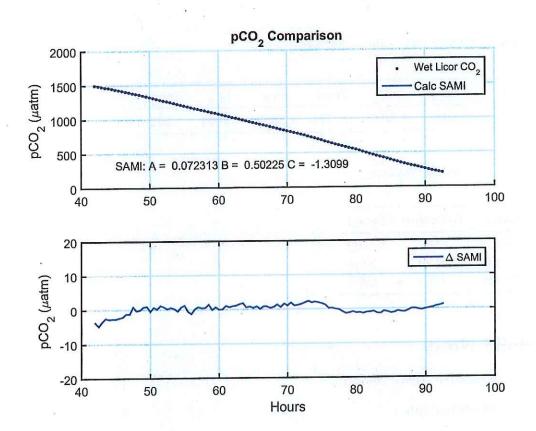
Build Notes

Pressure Test: 200 psi

Modifications:

Re-Cal only

200-1500



INSULATION RESISTANCE TEST: OOI - UW/OSU UNITS

Communications and Power - TI Bulkhead

(a) (b) (1) (3) (6) (2)

Quitab
Switch
LR
1 0 2 0 3 0 4 0 0 1 0 2

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

		Sw	itch
Pin	Connection	L	R
1 2 L	GND PWR + Locate	0 0	3 4

- 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 Ω), contact customer w/r/t replacement of suspected parts (typically penetrator, bulkhead or biofouling cable).
- 5. Replace suspected part and re-test if needed.

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GND.	1	0	55	55
Вx	2	0		
Tx	3	0		
V+	4	0		
RTS 2	0	1		
GND	0	2	· ·	Y
GND - Pump	0	3	Ala	NIA
V+ - Pump	0	4		+

UNIT # <u>C 116</u>

DATE <u>11/14/19</u>

Technician Signature & M

Notes: