



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

SAMI² CO₂ Calibration Certificate

November 17, 2020

Serial Number: c90
RMA Number: 091716
Technician: BW
Reagent: btb_0346

Table 1: SAMI² CO₂ calibration parameters.

| A | B | C | K_{434} | K_{620} | T_{avg} | Range (ppm) |
|--------|--------|---------|-----------|-----------|-----------|-------------|
| 0.1343 | 0.0847 | -0.7727 | 0.8770 | 1.2512 | 10.9515 | 202–1989 |

Table 2: Blank intensities.

| Source | Reference | Signal |
|--------|-----------|--------|
| Dark | 105 | 50 |
| 434 nm | 2880 | 2478 |
| 620 nm | 1959 | 2369 |

Build Notes

Pressure Test: 200 psi

Modifications:

standard refurbishment

replaced damaged 3-pin BH with used part from inventory

