

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

Effective: 11/10/2021

Version: 2.0

Instrument #: 100683

Analyst(s): Carlie Blaister

Start Date: 8/24/2022

Reason for instrument evaluation

Screen Issues.

### Visual Inspection

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Clean   | <input type="checkbox"/> Replace missing screws                |
| <input checked="" type="checkbox"/> Cermetex Box (modem) is secure                            | <input checked="" type="checkbox"/> Ensure modem cable present |
| <input checked="" type="checkbox"/> Double Check Valve secured to wall                        | <input type="checkbox"/> All tubing and connections secure     |
| <input checked="" type="checkbox"/> O-ring inspection and ensure 2 replacement O-rings in bag |  |

### Troubleshooting/Repair

Replaced screen. Screen illuminated & displayed but touchscreen would not work. Replaced screen a 2nd time. Same issue. Replaced SI board. Same issue. Replaced a cord (ribbon) between screen & SI board. Same issue. Replaced Controller board w/ newly modified one. Same issue. Contacted Intoximeters for help & received recommendations. It was discovered that too much contact was being made between the screen & outer shell. Removed screen & added additional washers between the screen & outer shell. Screen operates normally. Reloaded 3.02 DMT software as a precaution. Recalibrated Stylus. Reset Serial#. Uploaded files & verified files. Cal factors were erased from memory during repair. Instrument requires calibration prior to being able to run any VOCs

- |   |  |
|---|--|
| <input type="checkbox"/> VOC (attached)                           | <input type="checkbox"/> Verify software version                         |
| <input type="checkbox"/> VOC Internal Standard value $\leq$ 3.00% | <input checked="" type="checkbox"/> Non-Drinking Subject Test (attached) |
| <input type="checkbox"/> Return to Factory                        | <input checked="" type="checkbox"/> Ready for Calibration                |
| <input type="checkbox"/> Ready for Certification                  | <input type="checkbox"/> Proceed to Close Out                            |
| <input type="checkbox"/> Further Evaluation Needed                |  |

End Date: 8/25/2022

Page 1 of 1

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Approved by: Chemistry Supervisor