

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

Issued: 05/15/2020  
Effective: 05/15/2020

Version: DMEF 2020 R0  
Status: Active

Instrument # 100399

Start Date: 03/18/21

Analysts: Derek Walton

with Carlis Bailey -training

Reason for instrument evaluation

Repaired by manufacturer for modem not working

### Visual Inspection

- |  |  |                            |
|--|--|----------------------------|
| <input type="checkbox"/> Clean   | <input type="checkbox"/> Replace missing screws                | <u>Refer to evaluation</u> |
| <input type="checkbox"/> Cermetex Box is secure                                    | <input type="checkbox"/> Ensure modem cable present            | <u>from 02/04/21</u>       |
| <input type="checkbox"/> Gas Valve upright or secured to wall                      | <input type="checkbox"/> All tubing and connections are secure | <u>DJW 03/18/21</u>        |
| <input type="checkbox"/> O-ring inspection and ensure 2 O-rings in replacement bag |  |                            |

### Troubleshooting/Repair

Still unable to upload. Reached out to Intoximeters via email.

No response from Intoximeters as of 05/14/21 DJW 05/14/21

Upon review of DMHost and 100399 records, it is apparent that this instrument has not uploaded via the modem since 2012 despite repair by the manufacturer and Crime Lab. This does not impact the analytical performance of the instrument. Instrument will go through attempted certification and remain at the Crime Lab. DJW 05/26/21

- VOC (attached)
- Internal Standard value  $\leq 3.00\%$  No
- Verify software version

- Return to Factory for Repair
- Ready for Certification

- Ready for Calibration
- Proceed to Close Out

End Date: 05/14/21

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100399

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 03/18/2021

## External Standard Test Values

## Diagnostic Check

### VERSIONS

DMT: 3.02 ✓  
PIC: 3.03  
Modem: 2.6  
Questions: 2.2

### TEMPERATURES

Sample Chamber = 48.8°C PASSED  
(44.0°C - 52.0°C)  
Breath Tube = 48.1°C PASSED  
(38.0°C - 50.0°C)

### SETTINGS

Lamp Voltage = 1.68 V PASSED  
(1.01 V - 2.37 V)  
Cooler Voltage = 1.71 V PASSED  
(1.02 V - 2.38 V)  
Bias Voltage = 81 V PASSED  
(49 V - 113 V)  
Chopper Freq = 510 Hz PASSED  
(475 Hz - 575 Hz)  
Barometer = 29.4 in

### PUMP INFO

Flow Rate = 5.243 L/M PASSED  
(3.500 L/M - 6.500 L/M)

### DETECTOR INFO

PUMP ON PASSED  
(0.002 V <= 0.010 V)  
PUMP OFF PASSED  
(0.002 V <= 0.010 V)

### FILTER INFO

Filter 1 PASSED  
Filter 2 PASSED  
Filter 3 PASSED

### INTERNAL STANDARD

Xq = 0.080 5.43% (0.00% - 4.00%) FAILED

Diagnostic Check Failed