

# Alaska Scientific Crime Detection Laboratory

## DataMaster Repair Form

Effective: 3/20/2025

Version: 2.0

Instrument #: 100386 Analyst(s): C. O. Bryant  
Start Date: 4/26/03 1/29/06

### Reason for Repair

Filter wheel solenoid wires flaking, would not upload  
via modem during check in and evaluation

### Troubleshooting/Repair

Replaced solenoid - instrument having  
internal standard errors on attempted VOCs.  
Filter wheel tests completed 10 cycles without  
errors.

Replaced Cermetek box - instrument connected  
and uploaded.

\* unable to perform due to IS errors. Recommend  
Adjustment

\* ☒ VOC (attached) 003/09/06 ☐ Verify software version  
☐ VOC Internal Standard value  $\leq 3.00\%$  ☐ Non-Drinking Subject Test (attached)

☒ Ready for Adjustment  
☐ Further Repair Needed  
☐ Proceed to Close Out

☐ Ready for Calibration  
☐ Return to Factory

End Date: 1/29/06

# VERIFICATION OF CALIBRATION REPORT

*of DataMaster dmt Breath Test Instrument*

*State of Alaska*

Serial #: 100386

*Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program*

Date: 01/29/2026

## External Standard Test Values

## Diagnostic Check

### VERSIONS

DMT: 3.02

PIC: 3.02

Modem: 2.6

Questions: 2 2

### TEMPERATURES

Sample Chamber = 49.4°C

PASSED

Breath Tube = 44.3°C

PASSED

### PUMP INFO

Flow Rate = 4.727 L/M

PASSED

### DETECTOR INFO

PUMP ON

FAILED

PUMP OFF

FAILED

### FILTER INFO

Filter 1

PASSED

Filter 2

FAILED

Filter 3

PASSED

### INTERNAL STANDARD

FAILED

Diagnostic Check Failed

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100386

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/29/2026

## External Standard Test Values

## Diagnostic Check

### VERSIONS

DMT: 3.02

PIC: 3.02

Modem: 2.6

Questions: 2.2

### TEMPERATURES

Sample Chamber = 49.4°C  
(44.0°C - 52.0°C)

PASSED

Breath Tube = 44.3°C  
(38.0°C - 50.0°C)

PASSED

### SETTINGS

Lamp Voltage = 1.93 V  
(1.00 V - 2.34 V)

PASSED

Cooler Voltage = 1.68 V  
(1.01 V - 2.35 V)

PASSED

Bias Voltage = 79 V  
(47 V - 111 V)

PASSED

Chopper Freq = 509 Hz  
(475 Hz - 575 Hz)

PASSED

Barometer = 29.1 in

### PUMP INFO

Flow Rate = 4.727 L/M  
(3.500 L/M - 6.500 L/M)

PASSED

### DETECTOR INFC

PUMP ON  
(0.071 V <= 0.010 V)

FAILED

PUMP OFF  
(0.033 V <= 0.010 V)

FAILED

### FILTER INFO

Filter 1

PASSED

Filter 2

FAILED

Filter 3

PASSED

### INTERNAL STANDARD

FAILED

Xq = 0.121 31.2% (0.00% - 4.00%)

Diagnostic Check Failed

# VERIFICATION OF CALIBRATION REPORT

*of DataMaster dmt Breath Test Instrument*

*State of Alaska*

Serial #: 100386

*Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program*

Date: 01/29/2026

## External Standard Test Values

## Diagnostic Check

### VERSIONS

DMT: 3.02

PIC: 3.02

Modem: 2.6

Questions: 2.2

### TEMPERATURES

Sample Chamber = 48.8°C

PASSED

Breath Tube = 45.2°C

PASSED

### PUMP INFO

Flow Rate = 4.698 L/M

PASSED

### DETECTOR INFO

PUMP ON

PASSED

PUMP OFF

PASSED

### FILTER INFO

Filter 1

PASSED

Filter 2

PASSED

Filter 3

PASSED

### INTERNAL STANDARD

FAILED

Diagnostic Check Failed