

Alaska Scientific Crime Detection Laboratory

DataMaster Calibration Form

Effective: 1/23/2024

Version: 4.0

Instrument #: 100675 Analyst or Technician Name: Kaya Swisher

DataMaster DMT Calibration Start Date: 10/28/25

Diagnostic Test

- ☐ Perform Diagnostic Test (View Details) *Failed diagnostic 3 times, unable to complete calibration. KS 10/28/25. Repair for internal standard errors. Could not pass VOC after tank change.*
- ☐ Internal Standard Value $\leq 3.00\%$

Technician Screen and Calibration Factors

- ☐ Adjust Voltages (if needed)
- Lamp (2.60 V Maximum)
 - Bias
 - Cooler (2.00 V Maximum)
 - Chopper Frequency
 - Detector Voltage (-0.100V to 0.100V)
- ☐ Set RFI Sensitivity
- ☐ Adjust internal barometer reading to match NIST-traceable barometer
Barometer/Thermometer/Hygrometer S/N: _____
Calibration Due Date: _____
- ☐ Verify Volume Setting (1.50 L $\pm$ 0.10 L), adjust if needed
- ☐ Print Technician Screen
- ☐ Print "Cal Factors"

Minimum Volume Test

- ☐ Perform Minimum Volume (Subject) Test: KS 10/28/25 liters (1.3 L to 1.7 L)

As Left Linearity Testing

Barometric Pressure (in Hg) _____ Temperature(C) _____ Relative Humidity(%) _____

Approved Concentrations (g/210L): 0.020, 0.040, 0.080, 0.100, 0.150, 0.300

Functional Tests

- ☐ Incomplete ☐ Maximum Attempts Exceeded
- ☐ Invalid ☐ Radio Frequency Interference (RFI)
- ☐ Interference (Volatiles) - *Print with View Details*

1. Acetone Reagent Lot Number: _____ Expiration Date: _____
Simulator S/N: _____ Thermometer Verification Performed? ☐
2. Isopropanol Reagent Lot Number: _____ Expiration Date: _____
Simulator S/N: _____ Thermometer Verification Performed? ☐
3. Negative (Ethanol Only) Lot Number: _____ Expiration Date: _____
Simulator S/N: _____ Thermometer Verification Performed? ☐

Calibrated External Thermometer S/N: _____

Calibration Due Date: _____

Administrative

- ☐ Verify Stylus Calibration ☐ Perform Non-Drinking Subject Test
- ☐ Reset Options ☐ Upload Instrument
- ☐ Clear Memory ☐ Remove Dry Gas Tank Before Shutdown
- ☐ Verification of Calibration (VOC) ☐ Add Ready for Tech Review Note

Completion

Lab Work End Date: 10/28/25

Data Interpretation Date (Technician): NA (if applicable)

Data Interpretation Date (Analyst): NA

All printed copies are uncontrolled.

Approved by: Chemistry Supervisor

DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100675

Date: 10/28/2025
Time: 11:32:47

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

TEMPERATURES

Sample Chamber = 48.7°C	PASSED
Breath Tube = 48.1°C	PASSED

PUMP INFO	
Flow Rate = 4.682 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
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VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100675

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 10/28/2025

External Standard Test Values

Diagnostic Check

VERSIONS

DMT: 3.02

PIC: 3.03

Modem: 2.6

Questions: 2.2

TEMPERATURES

Sample Chamber = 48.7°C

PASSED

Breath Tube = 48.1°C

PASSED

PUMP INFO

Flow Rate = 4.629 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

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100675

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 10/28/2025

External Standard Test Values

Diagnostic Check

VERSIONS

DMT: 3.02

PIC: 3.03

Modem: 2.6

Questions: 2.2

TEMPERATURES

Sample Chamber = 48.7°C

PASSED

Breath Tube = 47.9°C

PASSED

PUMP INFO

Flow Rate = 4.679 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

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100675

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 10/28/2025

External Standard Test Values

Diagnostic Check

VERSIONS

DMT: 3.02

PIC: 3.03

Modem: 2.6

Questions: 2.2

TEMPERATURES

Sample Chamber = 48.9°C

PASSED

Breath Tube = 47.7°C

PASSED

PUMP INFO

Flow Rate = 4.671 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