



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES
STATE PUBLIC HEALTH LABORATORY
BREATH ALCOHOL PROGRAM

INTOX DMT MAINTENANCE REPORT

REPORT #1

Complete this report at the time of the regular monthly preventive maintenance check (not to exceed 35 days).
Complete this report whenever the instrument is serviced or repaired and whenever it is placed into service.
Retain the original and send a copy within 15 days to the Breath Alcohol Program, DHSS.

INTOX DMT SN 500603	NAME OF AGENCY Liberty PD	DATE OF INSPECTION 09/21/2024
LOCATION OF INSTRUMENT (STREET AND CITY) 14 South Water St. Liberty Mo. 64068		TIME OF INSPECTION 01:33:01

CHECKLIST: Place a mark in the box by each item if found to be satisfactory or is operating within established limits. (Write in observed values where determined). Unmarked items must be corrected before using instrument.

DIAGNOSTIC RECORD

DATE AND TIME <u>09/21/2024 01:33:03</u>	<input checked="" type="checkbox"/> DETECTOR
<input checked="" type="checkbox"/> PROGRAM	<input checked="" type="checkbox"/> FILTER 1
<input checked="" type="checkbox"/> SAMPLE CHAMBER <u>48.7°C</u>	<input checked="" type="checkbox"/> FILTER 2
<input checked="" type="checkbox"/> BREATH TUBE <u>46.7°C</u>	<input checked="" type="checkbox"/> FILTER 3
<input checked="" type="checkbox"/> PUMP	<input checked="" type="checkbox"/> INTERNAL STANDARD

BREATH ANALYZER ACCURACY STANDARDS

<input type="checkbox"/> SIMULATOR STANDARD	<input checked="" type="checkbox"/> COMPRESSED ETHANOL-GAS MIXTURE
<input checked="" type="checkbox"/> STANDARD SUPPLIER <u>INTOXIMETERS</u>	LOT # <u>AG407801</u> EXP. DATE <u>03/18/2026</u>
<input type="checkbox"/> SIMULATOR TEMP (34°C ± 0.2°C) _____	SIM. SN _____ SIM. NIST EXP DATE _____

CALIBRATION CHECK - (ONLY ONE STANDARD IS TO BE USED PER MAINTENANCE REPORT)
Run three tests using a standard. All three tests must be within ±5% of the standard value and must have a spread of .005 or less. Mark the box corresponding to the standard being used.

0.10% STANDARD - MUST READ BETWEEN 0.095% AND 0.105% INCLUSIVE

0.08% STANDARD - MUST READ BETWEEN 0.076% AND 0.084% INCLUSIVE

0.04% STANDARD - MUST READ BETWEEN 0.038% AND 0.042% INCLUSIVE

TEST 1: 0.105	TEST 2: 0.102	TEST 3: 0.102
---------------	---------------	---------------

PERFORM R.F.I. TEST

INDICATE THE NUMBER OF BREATH TESTS IN THE FOLLOWING RANGES SINCE THE LAST MAINTENANCE REPORT:

REFUSALS: 0	0-.04: 0	.05-.09: 0	.10-.14: 0	.15-.19: 0	OVER .19: 0
-------------	----------	------------	------------	------------	-------------

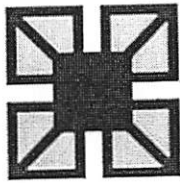
LIST ANY NEW PARTS AND DESCRIBE ANY ALTERATION OR MODIFICATION THAT WAS MADE TO RESTORE THE INSTRUMENT TO OPERATE SATISFACTORILY AND WITHIN ESTABLISHED LIMITS (USE OTHER SIDE IF NECESSARY)

NEW INSTRUMENT MAINTENANCE

INSPECTING OFFICER

SIGNATURE <i>Bent</i>	PRINT FULL NAME BENJAMIN J LAUGHLIN	
TYPE II PERMIT NUMBER 240187	EXPIRATION DATE 08/29/2026	TELEPHONE NUMBER 816-439-4701

RETURN COMPLETED REPORT TO THE Breath Alcohol Program, Missouri Department of Health and Senior Services
by mail, fax, or email



**National Patent
Analytical Systems, Inc.**

Certificate of Calibration

500603

Instrument Serial Number

19170

Standard Reference Number

The above instrument has been calibrated and is hereby certified for use in determining alcohol breath concentration when used in accordance with the operating guidelines by a properly trained operator.

11 NOV 19

Date


Technician

Technician Notes - Production
National Patent Analytical Systems, Inc.

Technician R. Martin Start Date 10/31
 Instrument Type DMT Serial No. 500603
 Customer NEBRASKA Work Order INTXNE-001

Voltage Tracking							
	Initial	Burn In 1	Burn In 2	End Burn	Calib 1	Calib 2	Final QA
Date	11/1/19	11/1/19		11/4/19	11/4/19		11/7/19
Time	09:30	09:30		09:30	10:15		12:00
Lamp	1.95	1.95		1.96	1.96		1.88
Bias	80	80		80	80		80
Cooler	1.55	1.55		1.56	1.56		1.53
Chopper F	522	522		536	530		529
Detector	-0.039	-0.040		0.001	0.001		0.061
Flow, Wet	1.62	1.60		1.60	1.60		1.51
Flow, Dry	1.48	1.48		1.49	1.49		1.44
Tank Psi							
Barometer-Mbar	978	978		972	972		977
Filter Diff	0.356	0.358		0.368	0.370		0.380
Stability	0.001	0.001		0.001	0.001		0.001

Notes, Issues, Repairs, etc.

- 1.) FAILED TO ACTIVATE HEATERS - replaced 41631 pcb (IC pic U1)
- 2.) CANT INSTALL GAS TANK - Transducer adjusted too high > causing front cover to be forced/pushed down to insert mtg screws > which bent regulator frame and warped base plate
- 3.) SAMPLE CELL DISPLAY TEMP ISSUES - intermittent Cell Temp - Fixed lifted 41631 U11p1
- 4.) DET BLK SOLENOID PIN NOT DROPPING - bent/aligned solenoid pin
- 5.) BURN IN START: 01NOV, 09:30 - END 04NOV, 09:30
- 6.) INCONSISTENT WET/DRY READINGS
 Inconsistent wet and dry gas readings. Replaced sample cell with NY0025-000-59, replaced both 80 and 150 dry gas tanks (reading inconsistent), repeated purge errors - fixed multiple loose connections On Optical bench, detector block and framework.

Calibrated, pass SLAP ok. Loaded customer software, calibrated, ran basic tests ok