



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES
STATE PUBLIC HEALTH LABORATORY
ALCO-SENSOR IV WITH PRINTER MAINTENANCE REPORT

REPORT #7

Complete this report in duplicate at the time of the regular monthly preventative maintenance check, and whenever instrument is repaired. Send copy to Department of Health and Senior Services; retain original in department file.

ALCO SENSOR IV SN 111759	NAME OF AGENCY CLAY COUNTY SHERIFF'S OFFICE	DATE OF INSPECTION 10/13/2024
LOCATION OF INSTRUMENT (STREET AND CITY) 27 S. MAIN STREET, LIBERTY, MO 64068		TIME OF INSPECTION 10:54 pm

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

- DIGITAL READOUT (ALL ELEMENTS OPERATIONAL)
- TEMPERATURE OF ALCO SENSOR (10°C - 40°C)
- PRINTER WORKING PROPERLY
- TIME AND DATE DISPLAYING PROPERLY

BREATH ALCOHOL ACCURACY STANDARDS

- SIMULATOR SOLUTION COMPRESSED ETHANOL-GAS MIXTURE
- STANDARD SUPPLIER INTOXIMETERS LOT # AG407603 EXP. DATE 03/16/2026
- SIMULATOR TEMPERATURE (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 solution. All three tests must be within ±5% of the standard value and must have a spread of .005 or less. Check the box corresponding to the standard solution being used. (PRINTOUT ATTACHED)
 - 0.100% STANDARD - MUST READ BETWEEN 0.095% and 0.105% INCLUSIVE
 - 0.080% STANDARD - MUST READ BETWEEN 0.076% and 0.084% INCLUSIVE
 - 0.040% STANDARD - MUST READ BETWEEN 0.038% and 0.042% INCLUSIVE

TEST 1 <input checked="" type="checkbox"/> .099	TEST 2 <input checked="" type="checkbox"/> .101	TEST 3 <input checked="" type="checkbox"/> .100
---	---	---

- RFI DETECTOR OPERATING

INDICATE THE NUMBER OF BREATH TESTS IN THE FOLLOWING RANGES SINCE THE LAST MAINTENANCE REPORT: (DO NOT INCLUDE SELF-ADMINISTERED TESTS)

REFUSALS	0	(0-.04)	0	(.05-.09)	0	(.10-.14)	1	(.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).

INSPECTING OFFICER	
SIGNATURE 	PRINT NAME JAMES BUSH
TYPE II PERMIT NUMBER/EXPIRATION DATE 2302850 - 12/06/2025	TELEPHONE NUMBER (816) 407-3702

Return completed report to the: Breath Alcohol Program, MO Department of Health and Senior Services, Southeast District Office by mail, fax, or email.

00 10 00 00 00 111200
00 10 00 00 00 111200

0000 00000 00000

Time Date Time 2100

00 00000
00000000 00000000
00000000 00000000
00 00000000 00000000

Subject Name
Monthly Maintenance
Subject #

Test 1
Description Name, L.H.
S. Bush # 2001
Location
27 S. Main St,
Liberty, MO

00 10 00 00 00 111200
00 10 00 00 00 111200

0000 00000 00000

Time Date Time 2100

00 00000
00000000 00000000
00000000 00000000
00 00000000 00000000

Subject Name
Monthly Maintenance
Subject #

Test 2
Description Name, L.H.
S. Bush # 2001
Location
27 S. Main St,
Liberty, MO

00 10 00 00 00 111200
00 10 00 00 00 111200

0000 00000 00000

Time Date Time 2100

00 00000
00000000 00000000
00000000 00000000
00 00000000 00000000

Subject Name
Monthly Maintenance
Subject #

Test 3
Description Name, L.H.
S. Bush # 2001
Location
27 S. Main St,
Liberty, MO

00 10 00 00 00 111200
00 10 00 00 00 111200

0000 00000 00000

Time Date Time 2100

00 00000
00000000 00000000
00000000 00000000
00 00000000 00000000

Subject Name
Monthly Maintenance
RFI Test
S. Bush # 2001
27 S. Main St,
Liberty, MO



Airgas USA LLC (LAB)
 3600 Bernard Street
 St. Louis, Mo. 63103
 Ph: (314) 533-3100
 Fax: (314) 533-7328

Certificate of Analysis

Customer Name
 Exclusive Supplier
 Intoximeters, Inc.
 2081 Craig Road
 St. Louis, Mo 63146

Test Date: 18-Mar-2024

Lot # AG407603 Model 108

Exp Date	Cyl. Type	Component	Certified Concentration
16-Mar-2026	108	Ethanol Nitrogen	0.100 ± 2% BrAC (272 ppm)

Certification Traceable to N.I.S.T. RGM and to GRM Ethanol Standards:

RGM Serial No.	Concentration	RGM Serial No.	Concentration
EB0010581	391.8 ppm	EB0010603	392.5 ppm
EB0010570	259.8 ppm	EB0010559	258.9 ppm
EB0010285	209.0 ppm	EB0010562	104.2 ppm
EB0010561	103.7 ppm	EB0010579	52.94 ppm
EB0010681	52.22 ppm		

GRM Serial No.	Concentration	GRM Serial No.	Concentration
CC727481	799.4 ppm	CC727493	389.8 ppm
CC727496	253.4 ppm	CC727498	150.2 ppm

Analytical Method: NDIR

Digitally signed by: Quality Control
 Reason: Dry gas standard certification of analysis
 Location: Airgas USA LLC (Lab)
 Date: 03.22.2024 07:48

Approved for Release: _____
 Yusef Woods

ISO 17025:2017 A2LA accredited. Certificate Number 3082.06
 ISO 17034:2016 A2LA accredited. Certificate Number 3082.07



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

2

PERMIT
TYPE II
JAMES S. BUSH

is hereby authorized to instruct and supervise operators, train instructors, inspect, calibrate, perform field service and repairs, and operate the following breath analyzer(s):

ALCO-SENSOR IV WITH PRINTER; INTOX EC/IR II

for the determination of the alcoholic content of blood from a sample of expired air. Permit issued under the provisions of sections 577.020 through 577.041, RSMo and 306.111 through 306.119 RSMo.

DATE 12/6/2023

Laura Q. Nagy

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

NUMBER 230285

Donald A. Kamm

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

EXPIRES 12/6/2025

MO 680-0771 (6-10)

LAB-4 (R6-10)



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

INSTRUMENT OPERATOR CARD

The named cardholder is authorized to operate an evidential breath alcohol instrument for the determination of the alcoholic content in breath form of expired air in Missouri.

Operator BUSH, JAMES
 Permit No 230285
 Date Issued 12/6/2023 Date Expires 12/6/2025

