



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 107999	NAME OF AGENCY CLAY COUNTY SHERIFF'S OFFICE	DATE OF INSPECTION 01/19/2025
LOCATION OF INSTRUMENT (STREET AND CITY) 27 S. MAIN STREET, LIBERTY, MO 64068		TIME OF INSPECTION 8:57 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 INTOXIMETER 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 .102

TEST 2 .101

TEST 3 .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)	1	(.10-.14)	1	(.15-.19)	0	(OVER .19)	1
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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).

REFILL PRINTER PAPER

INSPECTING OFFICER

SIGNATURE

PRINT NAME
JAMES BUSH

TYPE II PERMIT NUMBER/EXPIRATION DATE
230285 - 12/06/2025

TELEPHONE NUMBER
(816) 407-3700

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

AS IV Serial no: 197999
Version no: 532B

TEST RECORD 09509

Temp Date Time 210L

Air Blank:
01/19/25 20:57 .000
Calibration Check:
20 01/19/25 20:57 .102

Subject Name

Monthly Maintenance

Subject I.D.

Test 1

Operator Name, I.D.

S. Bush #2201

Location

27 S. Main St.,

Liberty, MO

AS IV Serial no: 197999
Version no: 532B

TEST RECORD 09510

Temp Date Time 210L

Air Blank:
01/19/25 20:59 .000
Calibration Check:
21 01/19/25 20:59 .101

Subject Name

Monthly Maintenance

Subject I.D.

Test 2

Operator Name, I.D.

~~2201~~ S. Bush #2201

Location

27 S. Main St.,

Liberty, MO

AS IV Serial no: 197999
Version no: 532B

TEST RECORD 09511

Temp Date Time 210L

Air Blank:
01/19/25 21:01 .000
Calibration Check:
22 01/19/25 21:01 .100

Subject Name

Monthly Maintenance

Subject I.D.

Test 3

Operator Name, I.D.

S. Bush #2201

Location

27 S. Main St.,

Liberty, MO

AS IV Serial no: 197999
Version no: 532B
TEST RECORD 09512

Temp	Date	Time	210L
	01/19/25	20:57	.000
	01/19/25	20:57	.102

Subject Name
Monthly Maintenance

Subject I.D.
RFI Test

Operator Name, I.D.
S. Bush #2201

Location
27 S. Main St.,
Liberty, MO



Airgas USA LLC (LAB)
 3500 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 CRM 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		

CRM Serial No.	Concentration	CRM 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 07:46

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



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

NUMBER 230285

EXPIRES 12/6/2025

Laura P. Wray

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

Donald S. Kamm

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

 **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

