



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

**RECEIVED**  
 By Tracy Crews at 1:29 pm, Nov 07, 2022

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 042311	NAME OF AGENCY Saint Charles County Police Department	DATE OF INSPECTION 11/05/2022
LOCATION OF INSTRUMENT (STREET AND CITY) 101 Sheriff Dierker Court, O'Fallon, Missouri 63366		TIME OF INSPECTION 7:51 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**

<input type="checkbox"/> SIMULATOR SOLUTION	<input checked="" type="checkbox"/> COMPRESSED ETHANOL-GAS MIXTURE
<input checked="" type="checkbox"/> STANDARD SUPPLIER Intoximeters	LOT # AG109701 EXP. DATE 04/07/2023
<input type="checkbox"/> 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 ➔ .082	TEST 2 ➔ .082	TEST 3 ➔ .081
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- 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
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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).

<b>INSPECTING OFFICER</b>	
SIGNATURE Cpl. [Signature] 663	PRINT NAME Mike Johnson
TYPE II PERMIT NUMBER/EXPIRATION DATE 220150 / 05-25-2024	TELEPHONE NUMBER (636) 949-3000

**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: 042311  
Version no: 532C

TEST RECORD 00428

Temp Date Time <sup>s/</sup> 210L

Air Blank:  
11/05/22 19:51 .000  
Calibration Check:  
26 11/05/22 19:51 .082

Subject Name

Test #1

Subject I.D.

Operator Name, I.D.

Cpl. Johnson 220150

Location

SCCPD

AS IV Serial no: 042311  
Version no: 532C

TEST RECORD 00429

Temp Date Time <sup>s/</sup> 210L

Air Blank:  
11/05/22 19:53 .000  
Calibration Check:  
21 11/05/22 19:53 .082

Subject Name

Test #2

Subject I.D.

Operator Name, I.D.

Cpl. Johnson 220150

Location

SCCPD

AS IV Serial no: 042311  
Version no: 532C

TEST RECORD 00430

Temp Date Time <sup>s/</sup> 210L

Air Blank:  
11/05/22 19:54 .000  
Calibration Check:  
22 11/05/22 19:54 .081

Subject Name

Test #3

Subject I.D.

Operator Name, I.D.

Cpl. Johnson 220150

Location

SCCPD

AS IV Serial no: 042311  
Version no: 532C  
TEST RECORD 00431  
Temp Date Time <sup>s/</sup> 210L  
VOID: RTI  
12 11/05/22 19:55

Subject Name

RTI Test

Subject I.D.

Operator Name, I.D.

Cpl. Johnson 220150

Location

SCCPD

AS IV Serial no: 042311  
Version no: 532C

TEST RECORD 00432  
Temp Date Time <sup>s/</sup> 210L

Air Blank:  
11/05/22 19:56 .000  
Subject Test: Auto  
23 11/05/22 19:56 .000

Subject Name

Test - JTS

Subject I.D.

Operator Name, I.D.

Cpl. Johnson 220150

Location

SCCPD

MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES  
**BLOOD ALCOHOL TEST REPORT - ALCO-SENSOR IV  
 WITH PRINTER**

FORM #8

SUBJECT'S NAME	DATE OF TEST
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**OPERATIONAL CHECKLIST: ALCO-SENSOR IV WITH PRINTER**

ALCO-SENSOR SERIAL NO.	LOCATION OF INSTRUMENT
TIME OBSERVATION PERIOD STARTED	TIME OF TEST

- 1. Examination of mouth conducted. If any substance is observed or indicated to be present, the substance observed or indicated must be removed prior to starting the 15 minute observation period.
- 2. Subject observed for at least 15 minutes by \_\_\_\_\_  
No smoking, oral intake or vomiting during this time; if vomiting occurs, start over with 15 minute observation period.
- 3. Make sure printer is connected to Alco-Sensor IV.
- 4. Turn printer on.
- 5. Insert mouthpiece into Alco-Sensor IV.
- 6. Observe temperature display, make sure temperature reading is between 10°C and 40°C.
- 7. When "TEST" is displayed on Alco-Sensor IV, take subject breath sample.
- 8. When "SET" is displayed on Alco-Sensor IV, press SET button.
- 9. When printer has completed printing test result, tear off tape and fill in subject and officer information.
- 10. Press red button to eject mouthpiece.
- 11. Attach printout to this report.

<b>CERTIFICATION BY OPERATOR</b>	BAC
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As set forth in the rules promulgated by the Department of Health and Senior Services related to the determination of blood alcohol by breath analysis, I certify that:

- 1. There was no deviation from the procedure approved by the department.
- 2. To the best of my knowledge the instrument was functioning properly.
- 3. I am authorized to operate the instrument.

NAME OF OPERATOR	PERMIT NO.	EXPIRATION DATE
NAME OF OBSERVER	OBSERVER PERMIT NO.	EXPIRATION DATE
WITNESS (IF ANY)	DATE	



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: 7-Apr-2021

Lot # AG109701 Model 108cacc

Exp. Date  
7-Apr-2023

Cyl. Type  
108

Component  
Ethanol  
Nitrogen

Certified Concentration  
0.082 ± 0.002 BrAC (223 ppm)  
Balance

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

<u>RGM Serial No.</u>	<u>Concentration</u>
EB0010581	392.1 ppm
EB0010570	259.8 ppm
EB0010285	208.0 ppm
EB0010561	103.6 ppm
EB0010681	52.12 ppm

<u>RGM Serial No.</u>	<u>Concentration</u>
EB0010603	393.0 ppm
EB0010559	258.2 ppm
EB0010595	208.3 ppm
EB0010562	104.2 ppm
EB0010579	52.81 ppm

<u>CRM Serial No.</u>	<u>Concentration</u>
CG727481	800.0 ppm
CG727496	253.0 ppm

<u>CRM Serial No.</u>	<u>Concentration</u>
CG727493	390.0 ppm
CG727498	150.0 ppm

Analytical Method: NDIR

Digitally signed by Quality Control  
Date: 2021.04.07 17:42:01 -05:00  
Reason: Dry gas standard certification of analysis  
Location: Airgas USA LLC (Lab)

Approved for Release:

Rod Marsala

ISO 17025:2005 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

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**PERMIT**  
**TYPE II**  
**MIKE JOHNSON**

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**

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 5/25/2022

*Mike Mason*

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

NUMBER 220150

*David J. Nielsen*

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

EXPIRES 5/25/2024

MO 680-0771 (9-10)

LAB-4 (PG-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 JOHNSON, MIKE  
Permit No 220150  
Date Issued 5/25/2022 Date Expires 5/25/2024

