



**ALCO-SENSOR IV WITH PRINTER MAINTENANCE REPORT**

**RECEIVED**

By Tracy Crews at 1:29 pm, Sep 24, 2021

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 09/21/2021
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LOCATION OF INSTRUMENT (STREET AND CITY) 101 Sheriff Dierker Court, O'Fallon, Missouri 63366	TIME OF INSPECTION 8:16 am
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**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 # AG109701 EXP. DATE 04/07/2023

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 .084

TEST 2 .084

TEST 3 .083

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)	3	(.15-.19)	0	(OVER .19)	5
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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).

**INSPECTING OFFICER**

SIGNATURE  
 663

PRINT NAME  
Mike Johnson

TYPE II PERMIT NUMBER/EXPIRATION DATE  
200198 / July 8, 2022

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 00253

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

Air Blank:  
09/21/21 08:16 .000  
Calibration Check:  
20 09/21/21 08:16 .084

Subject Name

Test #1

Subject I.D.

Operator Name, I.D.

Cpl. Johnson 200198

Location

SCUPD

AS IV Serial no: 042311  
Version no: 532C

TEST RECORD 00254

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

Air Blank:  
09/21/21 08:17 .000  
Calibration Check:  
21 09/21/21 08:17 .084

Subject Name

Test #2

Subject I.D.

Operator Name, I.D.

Cpl. Johnson 200198

Location

SCUPD

AS IV Serial no: 042311  
Version no: 532C

TEST RECORD 00255

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

Air Blank:  
09/21/21 08:19 .000  
Calibration Check:  
22 09/21/21 08:19 .083

Subject Name

Test #3

Subject I.D.

Operator Name, I.D.

Cpl. Johnson 200198

Location

SCUPD

AS IV Serial no: 042311  
Version no: 532C

TEST RECORD 00256

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

VOII: RFI  
12 09/21/21 08:20

Subject Name

RFI Test

Subject I.D.

Operator Name, I.D.

Cpl. Johnson 200198

Location

SCUPD

AS IV Serial no: 042311  
Version no: 532C

TEST RECORD 00257

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

Air Blank:  
09/21/21 08:21 .000  
Subject Test: Auto  
23 09/21/21 08:21 .000

Subject Name

Self-Test

Subject I.D.

Operator Name, I.D.

Cpl. Johnson 200198

Location

SCUPD



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 108cacd**

**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:**

**RGM Serial No.**

EB0010581

**Concentration**

392.1 ppm

EB0010570

259.8 ppm

EB0010285

208.0 ppm

EB0010561

103.6 ppm

EB0010681

52.12 ppm

**RGM Serial No.**

EB0010603

**Concentration**

393.0 ppm

EB0010559

258.2 ppm

EB0010595

208.3 ppm

EB0010562

104.2 ppm

EB0010579

52.81 ppm

**CRM Serial No.**

CC727481

**Concentration**

800.0 ppm

CC727496

253.0 ppm

**CRM Serial No.**

CC727493

**Concentration**

390.0 ppm

CC727498

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 7/8/2020

NUMBER 200198

EXPIRES 7/8/2022

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

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** JOHNSON, MIKE  
**Permit No** 200198  
**Date Issued** 7/8/2020 **Date Expires** 7/8/2022