



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES  
STATE PUBLIC HEALTH LABORATORY

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

**RECEIVED**

By Tracy Crews at 9:53 am, Aug 04, 2020

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 043580	PRINTER SN 84.9324.045	DATE OF INSPECTION 08/03/2020
LOCATION OF INSTRUMENT (STREET AND CITY) SCCPD / 101 Sheriff Dierker Court, O'Fallon, Missouri 63366		TIME OF INSPECTION 11:49 am

**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 # AG824102 EXP. DATE 08/29/2020

SIMULATOR TEMPERATURE (34°C ± 0.2°C) \_\_\_\_\_ SIMULATOR SN \_\_\_\_\_ SIMULATOR 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 ➔ .078

TEST 2 ➔ .077

TEST 3 ➔ .078

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)	0	(.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).

Replaced 9 volt battery in AS-IV.

**INSPECTING OFFICER**

SIGNATURE ▶	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  
2875 James Boulevard  
Poplar Bluff, MO 63901

# Airgas

Airgas USA LLC (Lab)  
10000  
10000  
10000  
10000

## Certificate of Analysis

Customer Name  
Exclusive Supplier  
Instruments, Inc.  
2061 Craig Road  
St. Louis, Mo 63126

Date: 28-Aug-2018

Lot# AG824102 Model 100

Exp. Date	Cyl. Type	Component	Concentration
29-Aug-2020	106	Ethanol	100.2 BrAC (218 ppm)

Certification: Traceable to NIST/RGM Ethanol Standards

Serial No.	Concentration	Serial No.	Concentration
EB0010581	392.1 ppm	EB0010582	393.0 ppm
EB0010570	259.8 ppm	EB0010583	268.2 ppm
EB0010225	208.9 ppm	EB0010584	204.3 ppm
EB0010585	103.5 ppm	EB0010585	194.2 ppm
EB0010587	52.12 ppm	EB0010586	52.1 ppm

Analytical Method: NDR

Digitally signed by Quality Control  
Date: 2018.08.28 16:28:00  
Reason: I am the analyst  
Location: Airgas USA LLC (Lab)

Approved for Release:

*Rod Marsala*  
Rod Marsala

ISO 17025:2005 A2LA accredited. Certificate Number 3012.00



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

2

**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

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

NUMBER 200198

EXPIRES 7/8/2022

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

MO 580-0771 (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 JOHNSON, MIKE  
 Permit No 200198  
 Date Issued 7/8/2020 Date Expires 7/8/2022



AS IV Serial no: 043580  
Version no: 532C

TEST RECORD 00224

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

Air Blank:  
08/03/20 11:49 .000  
Calibration Check:  
23 08/03/20 11:49 .078

Subject Name

TEST

Subject I.D.

# 1

Operator Name, I.D.

~~P.A. 663~~ 200198

Location

SCCPD

AS IV Serial no: 043580  
Version no: 532C

TEST RECORD 00225

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

Air Blank:  
08/03/20 11:51 .000  
Calibration Check:  
24 08/03/20 11:51 .077

Subject Name

TEST

Subject I.D.

# 2

Operator Name, I.D.

~~P.A. 663~~ 200198

Location

SCCPD

AS IV Serial no: 043580  
Version no: 532C

TEST RECORD 00226

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

Air Blank:  
08/03/20 11:52 .000  
Calibration Check:  
24 08/03/20 11:52 .078

Subject Name

TEST

Subject I.D.

# 3

Operator Name, I.D.

~~P.A. 663~~ 200198

Location

SCCPD

AS IV Serial no: 043580  
Version no: 532C

TEST RECORD 00229

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

VOID: RFI  
12 08/03/20 11:58

Subject Name

TEST VOID

Subject I.D.

RFI

Operator Name, I.D.

~~P.A. 663~~ 200198

Location

SCCPD

AS IV Serial no: 043580  
Version no: 532C

TEST RECORD - REPRINT

TEST RECORD 00230

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

Air Blank:  
08/03/20 12:00 .000  
Subject Test: Auto  
26 08/03/20 12:00 .000

Subject Name

SELF TEST

Subject I.D.

# 1

Operator Name, I.D.

~~P.A. 663~~ 200198

Location

SCCPD