



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

**RECEIVED**

By Carol Day at 10:12 am, Oct 03, 2014

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 087974	PRINTER SN 08c256372	DATE OF INSPECTION 10/02/2014
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LOCATION OF INSTRUMENT (STREET AND CITY) 1700 US Hwy 67	TIME OF INSPECTION 9:28 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) *24°C*
- PRINTER WORKING PROPERLY
- TIME AND DATE DISPLAYING PROPERLY

**BREATH ALCOHOL ACCURACY STANDARDS**

- SIMULATOR SOLUTION  COMPRESSED ETHANOL-GAS MIXTURE
- STANDARD SUPPLIER Airgas LOT # AG3322301 EXP. DATE 11/19/2015
- 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 <i>☛</i> .100	TEST 2 <i>☛</i> .100	TEST 3 <i>☛</i> .099
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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)	1	(OVER .19)	2
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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).

Instrument working within D.O.H. Guidelines

**INSPECTING OFFICER**

SIGNATURE <i>[Signature]</i>	PRINT NAME Aloysius A. Haarmann
TYPE II PERMIT NUMBER/EXPIRATION DATE 230265 11-26-2015	TELEPHONE NUMBER (314) 831-7000

**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



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

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**PERMIT**  
**TYPE II**  
**ALOYSIUS A HAARMANN**

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

**INTOXILYZER 5000, INTOX EC/IR II, ALCO-SENSOR IV W/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 11/26/2013  
 NUMBER 230265  
 EXPIRES 11/26/2015

  
 DIRECTOR OF STATE PUBLIC HEALTH LABORATORY  
*Gail Vesterby*  
 ,acting director  
 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 HAARMANN, ALOYSIUS  
 Permit No 230265  
 Date Issued 11/26/2013 Date Expires 11/26/2015



Airgas USA LLC (LAB)  
 3500 Bernard Street  
 St. Louis, Mo. 63103  
 Ph: (314) 533-3100  
 Fax: (314) 533-7328

## Certificate of Analysis

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

**Test Date:** 20-Nov-2013

**Lot # AG332301**

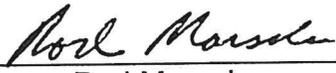
<u>Exp. Date</u>	<u>Cyl. Type</u>	<u>Component</u>	<u>Certified Concentration</u>
19-Nov-2015	108	Ethanol Nitrogen	0.100 ± 2% BrAC (272 ppm) Balance

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

<u>Serial No.</u>	<u>Concentration</u>	<u>Serial No.</u>	<u>Concentration</u>
EB0010581	391.8 ppm	EB0010603	392.5 ppm
EB0010570	259.8 ppm	EB0010559	258.9 ppm
EB0010285	209.0 ppm	EB0010595	208.9 ppm
EB0010561	103.7 ppm	EB0010562	104.9 ppm
EB0010681	52.22 ppm	EB0010579	52.94 ppm

**Analytical Method:** NDIR

Digitally signed by Quality Control  
 Date: 2013.11.20 15:33:36 -06:00  
 Reason: Dry gas standard certification of analysis  
 Location: Airgas USA LLC (Lab)

Analyst:   
 Rod Marsala

**ISO 17025:2005 A2LA accredited. Certificate Number 2989.01**

#73#

AS IV Serial no: 007974  
Version no: 004C

TEST RECORD 00541 %  
Temp Date Time 210L

Air Blank: 10/02/14 09:28 .000  
Calibration Check: 26 10/02/14 09:28 .100

Subject Name

MAINTENANCE

Subject I.D.

Operator Name, I.D.

Alh A M

Location

1700 N. Hwy 67

#72#

AS IV Serial no: 007974  
Version no: 004C

TEST RECORD 00542 %  
Temp Date Time 210L

Air Blank: 10/02/14 09:29 .000  
Calibration Check: 26 10/02/14 09:29 .100

Subject Name

MAINTENANCE

Subject I.D.

Operator Name, I.D.

Alh A M

Location

1700 N. Hwy 67

#71#

AS IV Serial no: 007974  
Version no: 004C

TEST RECORD 00543 %  
Temp Date Time 210L

Air Blank: 10/02/14 09:31 .000  
Calibration Check: 26 10/02/14 09:31 .000

Subject Name

MAINTENANCE

Subject I.D.

Operator Name, I.D.

Alh A M

Location

1700 N. Hwy 67

#00 #

AS IV Serial no: 007974  
Version no: 004C

TEST RECORD 00544 %  
Temp Date Time 210L

Void: RFI  
12 10/02/14 09:32

Subject Name

MAINTENANCE

Subject I.D.

Operator Name, I.D.

Alh A M

Location

1700 N. Hwy 67