



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<br>107973  | PRINTER SN<br>0993586816 | DATE OF INSPECTION<br>02/23/2016 |
| LOCATION OF INSTRUMENT (STREET AND CITY)<br>Chesterfield Pkwy W Chesterfield, Mo |                          | TIME OF INSPECTION<br>7:50 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 # AG521202 EXP. DATE 07/31/2017

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 ← .081

TEST 2 ← .080

TEST 3 ← .080

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 | 2 | (0-.04) | (.05-.09) | (.10-.14) | (.15-.19) | (OVER .19) |
|----------|---|---------|-----------|-----------|-----------|------------|

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).

March Maintenance, changed printer paper.

**INSPECTING OFFICER**

SIGNATURE

PRINT NAME  
P.O. Paul Powers

TYPE II PERMIT NUMBER/EXPIRATION DATE  
250268 / 11/11/2017

TELEPHONE NUMBER  
(636) 537-3000

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 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:** 4-Aug-2015

**Lot #** AG521202 **Model** 108cacd

| <u>Exp. Date</u> | <u>Cyl. Type</u> | <u>Component</u>    | <u>Certified Concentration</u>          |
|------------------|------------------|---------------------|---|
| 31-Jul-2017      | 108              | Ethanol<br>Nitrogen | 0.080 ± 0.002 BrAC (218 ppm)<br>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: 2015.08.04 14:24:05 -05:00  
Reason: Dry gas standard certification of analysis  
Location: Airgas USA LLC (Lab)

Analyst: \_\_\_\_\_

Rod Marsala

ISO 17025:2005 A2LA accredited. Certificate Number 2989.01

AS IV Serial no: 107973  
Version no: 532B

TEST RECORD - REPRINT  
TEST RECORD 00485

Temp Date Time 210L

Air Blank: 02/23/16 07:53 .000  
Subject Test: Auto  
23 02/23/16 07:53 .000

Subject Name  
*Maintenance*  
Subject I.D.

Operator Name, I.D.

Location

AS IV Serial no: 107973  
Version no: 532B

TEST RECORD 00487

Temp Date Time 210L

Air Blank: 02/23/16 07:57 .000  
Subject Test: Man  
25 02/23/16 07:57 .081

Subject Name  
*Maintenance*  
Subject I.D.

Operator Name, I.D.

Location

AS IV Serial no: 107973  
Version no: 532B

TEST RECORD 00488

Temp Date Time 210L

Air Blank: 02/23/16 07:58 .000  
Subject Test: Man  
26 02/23/16 07:59 .080

Subject Name  
*Maintenance*  
Subject I.D.

Operator Name, I.D.

Location

AS IV Serial no: 107973  
Version no: 532B

TEST RECORD 00489

Temp Date Time 210L

Air Blank: 02/23/16 08:00 .000  
Subject Test: Man  
26 02/23/16 08:00 .080

Subject Name  
*Maintenance*  
Subject I.D.

Operator Name, I.D.

Location

AS IV Serial no: 107973  
Version no: 532B

TEST RECORD 00490

Temp Date Time 210L

VOID: RFI  
12 02/23/16 08:01

Subject Name  
*Maintenance*

Subject I.D.

Operator Name, I.D.

Location