



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES  
STATE PUBLIC HEALTH LABORATORY

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

**RECEIVED**

By Tracy Crews at 8:02 am, Apr 01, 2025

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 087977	NAME OF AGENCY St. Louis County Police Department	DATE OF INSPECTION 03/31/2025
LOCATION OF INSTRUMENT (STREET AND CITY) 232 Vance Rd		TIME OF INSPECTION 6:58 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**

SIMULATOR SOLUTION

COMPRESSED ETHANOL-GAS MIXTURE

STANDARD SUPPLIER Intoximeters LOT # AG332001 EXP. DATE 11/16/2025

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 .103

TEST 2 .103

TEST 3 .102

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).

**INSPECTING OFFICER**

SIGNATURE 	PRINT NAME Sgt. D. Estrada, #3072
TYPE OF PERMIT NUMBER/EXPIRATION DATE 250026 03/07/2027	TELEPHONE NUMBER (636) 529-8210

**Return completed report to the:** Breath Alcohol Program, MO Department of Health and Senior Services, Southeast District Office by mail, fax, or email.

TS 10 Serial no: 002977  
Version no: 332B

TEST RECORD 08:58

Temp Date Time 219L

Air Blank:  
03/31/25 18:58 .000  
Calibration Check:  
21 03/31/25 18:58 .100

Subject Name

Test #1

Subject I.D.

NA

Operator Name, I.D.

Sgt D. Estrada #3072

Location

232 Vance Rd

(7th PCT)

TS 10 Serial no: 002977  
Version no: 332B

TEST RECORD 09:00

Temp Date Time 219L

Air Blank:  
03/31/25 19:00 .000  
Calibration Check:  
21 03/31/25 19:00 .100

Subject Name

Test #2

Subject I.D.

NA

Operator Name, I.D.

Sgt D. Estrada #3072

Location

232 Vance Rd

(7th PCT)

TS 10 Serial no: 002977  
Version no: 332B

TEST RECORD 09:02

Temp Date Time 219L

Air Blank:  
03/31/25 19:02 .000  
Calibration Check:  
22 03/31/25 19:02 .100

Subject Name

Test #3

Subject I.D.

NA

Operator Name, I.D.

Sgt D. Estrada #3072

Location

232 Vance Rd

(7th PCT)

TS 10 Serial no: 002977  
Version no: 332B

TEST RECORD 09:11

Temp Date Time 219L

Air Blank:  
03/31/25 19:03 .000  
Calibration Check:  
12 03/31/25 19:03 .100

Subject Name

REF!

Subject I.D.

NA

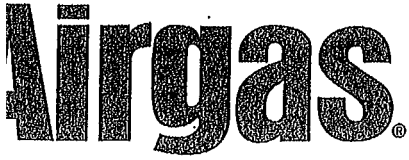
Operator Name, I.D. #

Sgt D. Estrada #3072

Location

232 Vance Rd

(7th PCT)



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

## Certificate of Analysis

**Customer Name**  
 Invisive Supplier  
 Invisive Meters, Inc.  
 1000 Craig Road  
 St. Louis, Mo 63146

**Test Date:** 16-Nov-2023

**Lot #** AG332001 **Model** 108

Date	Cyl. Type	Component	Certified Concentration
Nov-2025	108	Ethanol Nitrogen	0.100 ± 2% BrAC (272 ppm)

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

RGM Serial No.	Concentration	RGM Serial No.	Concentration
EB0010581	391.8 ppm	EB0010603	392.5 ppm
EB0010570	259.8 ppm	EB0010559	258.9 ppm
EB0010285	209.0 ppm	EB0010562	104.2 ppm
EB0010561	103.7 ppm	EB0010579	52.94 ppm
EB0010681	52.22 ppm		

CRM Serial No.	Concentration	CRM Serial No.	Concentration
CC727481	799.4 ppm	CC727493	389.8 ppm
CC727496	253.4 ppm	CC727498	150.2 ppm

Analysis Method: NDIR

Digitally signed by: Quality Control  
 Reason: Dry gas standard certification of analysis  
 Location: Airgas USA LLC (Lab)  
 Date: 11.20.2023 17:28

Approved for Release: \_\_\_\_\_

Yusef Woods

ISO 17025:2017 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**  
**DAWN M. ESTRADA**

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, INTOX DMT**

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.

ATE 3/7/2025

NUMBER 250026

EXPIRES 3/7/2027

*Adam J. Rubin*

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

*Sarah Willson*

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES