



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 111676	NAME OF AGENCY Jefferson County Sheriff's Office	DATE OF INSPECTION 11/02/2023
LOCATION OF INSTRUMENT (STREET AND CITY) 400 First Street Hillsboro, MO 63050		TIME OF INSPECTION 0919

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 Intoximeter LOT # AG305902 EXP. DATE 02/28/2025
- 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 <u>.103</u>	TEST 2 <u>.101</u>	TEST 3 <u>.100</u>
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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-.04)	(.05-.09)	(.10-.14)	(.15-.19)	(OVER .19)
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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 <i>Zachary Reed</i>	PRINT NAME Zachary Reed #810
TYPE II PERMIT NUMBER/EXPIRATION DATE 230236 10/31/2025	TELEPHONE NUMBER (636) 797-5000

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. 111676
Version no. 5328

TEST RECORD 00411

Temp Date Time 2⁹/₁₀

Air Blank: 11/02/23 09:19 000

Calibration Check: 19 11/02/23 09:19 000

Subject Name

Subject I.D.

Test 1
Dep 2. Reed 810/230236

Operator Name, I.D.

Location

AS IV Serial no. 111676
Version no. 5328

TEST RECORD 00412

Temp Date Time 2⁹/₁₀

Air Blank: 11/02/23 09:22 000

Calibration Check: 19 11/02/23 09:22 000

Subject Name

Subject I.D.

Test 2

Dep 2. Reed 810/230236

Operator Name, I.D.

Location

AS IV Serial no. 111676
Version no. 5328

TEST RECORD 00413

Temp Date Time 2⁹/₁₀

Air Blank: 11/02/23 09:25 000

Calibration Check: 21 11/02/23 09:25 100

Subject Name

Subject I.D.

Test 3
Dep 2. Reed 810/230236

Operator Name, I.D.

Location

AS IV Serial no. 111676
Version no. 5328

TEST RECORD 00414

Temp Date Time 2⁹/₁₀

VOID: RFI

12 11/02/23 09:28

Subject Name

Subject I.D.

Test 4 RFI!

Dep 2. Reed 810/230236

Operator Name, I.D.

Location



Airgas USA LLC d/b/a
 Airgas
 2001 Craig Road
 St. Louis, MO 63145
 Fax: 314.291.2000

Certificate of Analysis

Customer Name
 Exclusive Supplies
 Intonoclers, Inc.
 2001 Craig Road
 St. Louis, Mo. 63145

Test Date: 28 Feb 2025

Lot # AG305902 Model 108

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

Certification 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	258.8 ppm	EB0010559	258.9 ppm
EB0010285	209.0 ppm	EB0010562	104.2 ppm
EB0010561	103.7 ppm	EB0010579	52.94 ppm
EB0010661	52.22 ppm		

CRM Serial No.	Concentration	CRM Serial No.	Concentration
CC727481	800.0 ppm	CC727493	390.0 ppm
CC727496	253.0 ppm	CC727498	150.0 ppm

Analytical Method: NDIR

Digitally signed by Rod Marsala
 Reason: Dry gas standard certification of analysis
 Location: Airgas, USA (U.S.A.)
 Date: 01.2025 17:25

Approved for Release:

Rod Marsala

ISO 17025:2017 A2LA accredited. Certificate Number 3082.06
 ISO 17034:2016 A2LA accredited. Certificate Number 3082.07