

# ALCOHOL AND DRUG TESTING



## **Intoxilyzer 8000 Operator's Manual**

(OH-5)

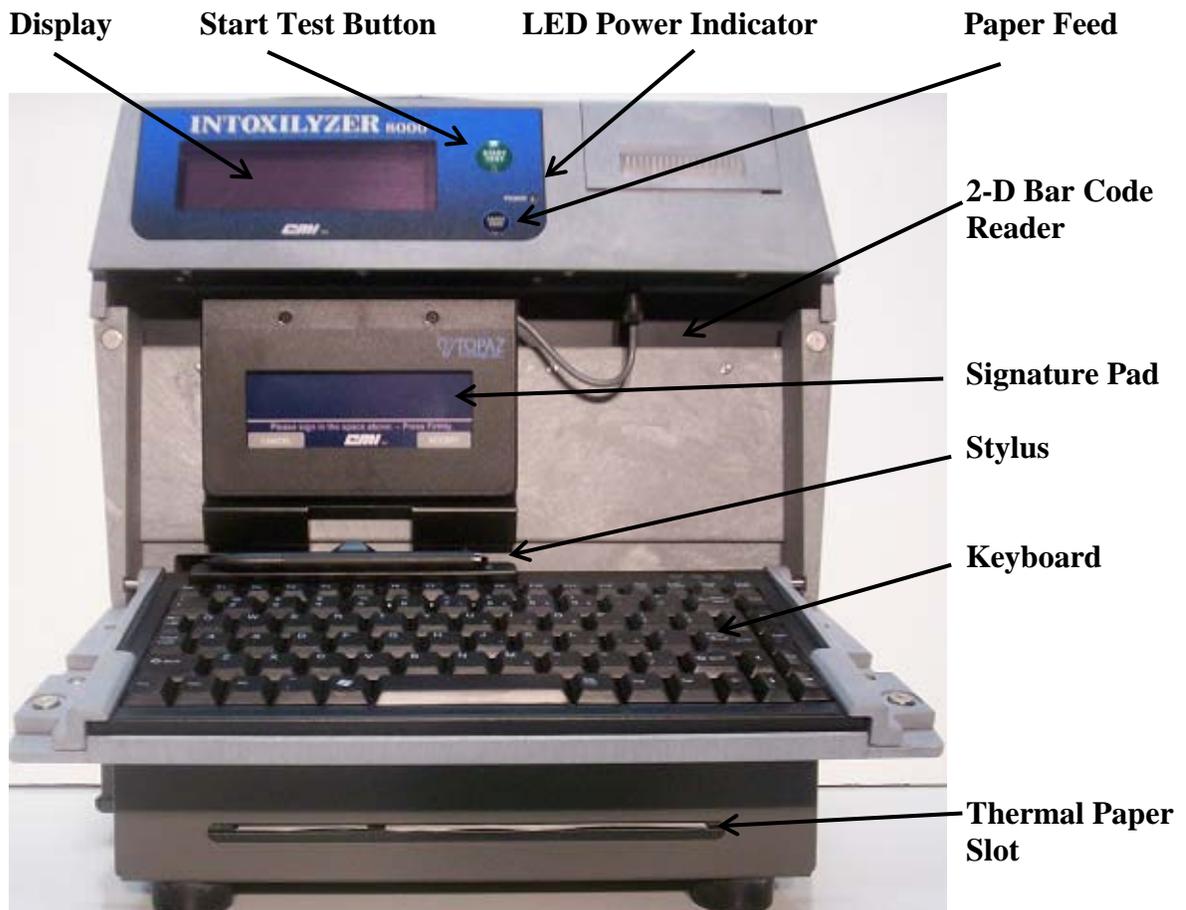
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Ohio Department of Health  
Alcohol & Drug Testing Program  
Phone (614) 644-4678  
Fax (614) 728-9179  
[www.odh.ohio.gov](http://www.odh.ohio.gov)

# NOMENCLATURE

## INTOXILYZER 8000 FRONT VIEW OPEN



# INTOXILYZER 8000 REAR VIEW

Power Switch 110 Volt AC

Power Cord 110 Volt AC

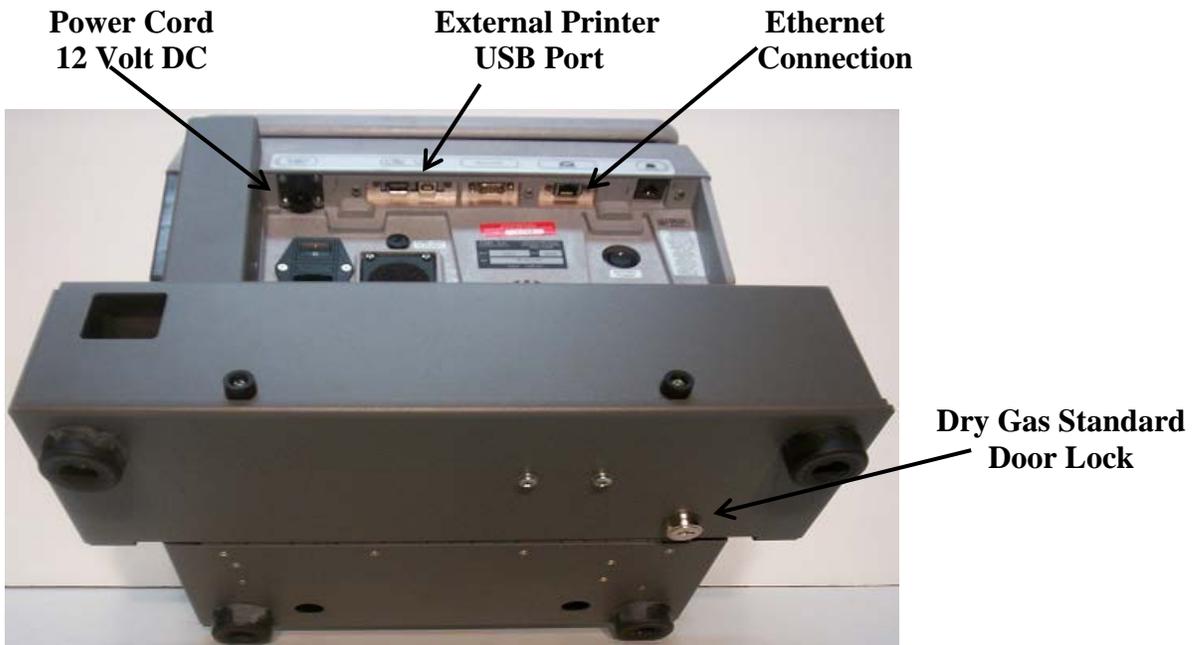
Battery Power  
Switch (12 Volt  
DC)

Instrument Serial  
Number

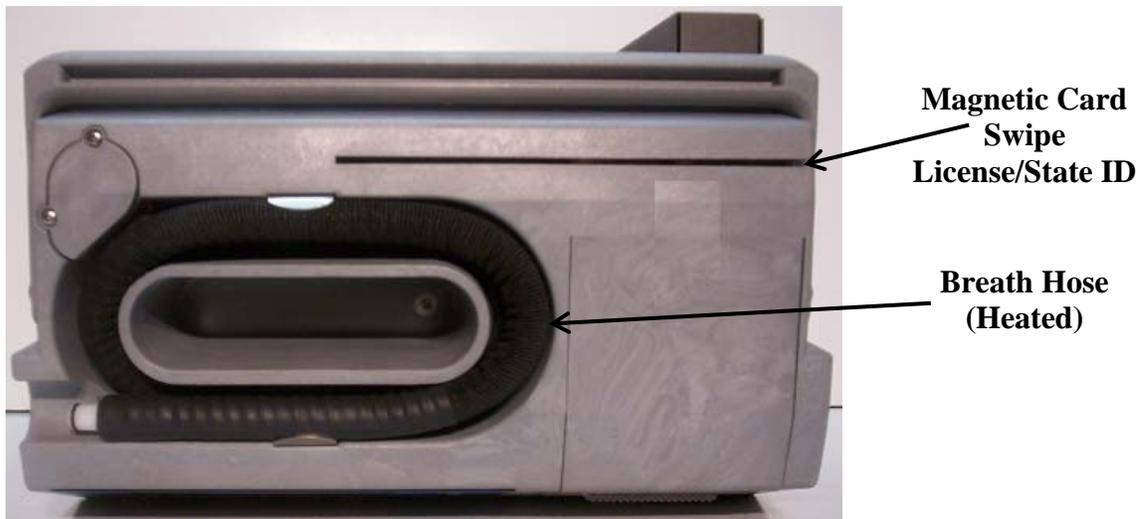
Dry Gas  
Standard  
Pressure Gauge



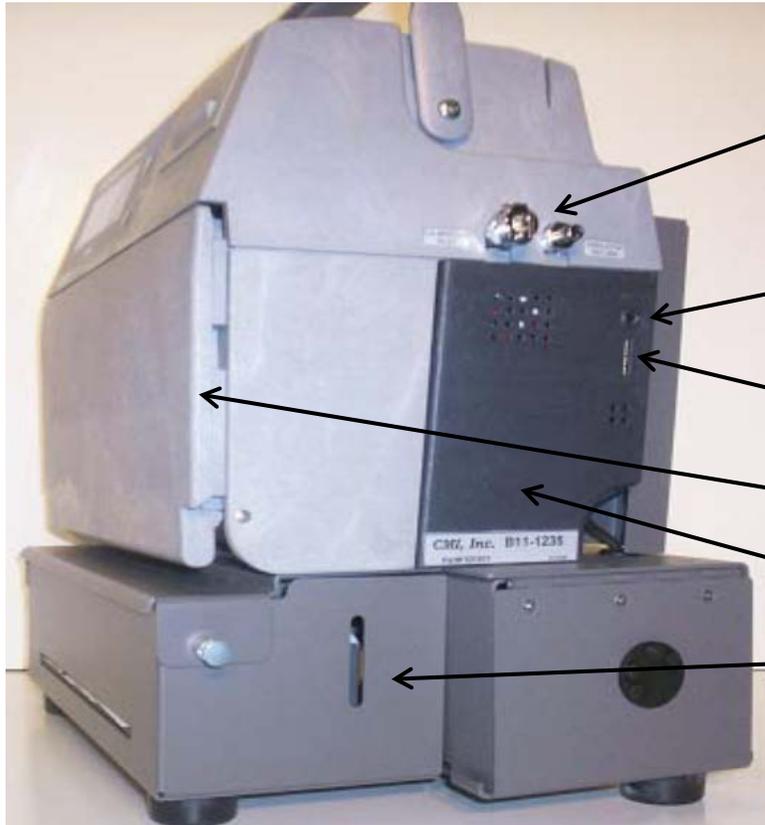
# INTOXILYZER 8000 REAR VIEW (BOTTOM)



## TOP VIEW



# INTOXILYZER 8000 SIDE VIEW (CLOSED)



**Simulator Certification Ports**

**Battery Level Button**

**Internal Battery Status LED Indicators**

**Keyboard**

**Internal Battery**

**Internal Printer Paper Roll Volume Indicator**



# INTOXILYZER 8000 INTERNAL PRINTER



**Internal Printer Door  
Locks**

**Internal Printer Paper  
Roll**



## INTOXILYZER 8000 SIGNATURE PAD



1. **DO NOT USE INK OR PENCIL ON THE SIGNATURE PAD.**
2. Use the attached **STYLUS** or an ink pen **WITH PEN TIP RETRACTED.**
3. **To complete a signature response press ACCEPT on the signature pad or ENTER on the keyboard.**
4. **To cancel a signature prior to pressing ACCEPT or ENTER, press CANCEL on the signature pad or ESCAPE on the keyboard.**
5. You may not make signature corrections after pressing **ACCEPT** or **ENTER.**



# INTOXILYZER 8000 KEYBOARD



1. To complete a response, press the **ENTER** key.
2. To scroll through the menus, press the arrow $\uparrow$  or  $\downarrow$  or PgUp/PgDn keys.
3. Correct mistakes prior to pressing **ENTER** or use the **BACKSPACE** key to erase one character at a time.
4. Make corrections after pressing **ENTER** by reviewing data.
5. Re-type the correct response.



# INTOXILYZER 8000 2-D BAR CODE READER



1. When **“PLEASE SWIPE / SCAN ACCESS CARD OR PRESS ENTER”** appears on the display, the **2-D BAR CODE** reader automatically activates.
2. Place your access card under the red light near the keyboard. Do not swipe the access card in operator license reader (top of instrument).
3. A **“3-beep tone”** indicates the information has been entered. (A **“2-beep tone”** indicates the information has not been entered.)
4. If the **2-D BAR CODE** fails to operate, press **ENTER** to manually enter the required data using the keyboard while following the instrument display.
5. The **2-D BAR CODE** reader is light sensitive. Use a flashlight to illuminate the access card in low light conditions.



# INTOXILYZER 8000

## MAGNETIC STRIP READER OPERATOR'S LICENSE/STATE ID CARD



1. When **“PLEASE SWIPE / SCAN DL OR PRESS ENTER”** appears on the display, slide the violator operator’s license (DL) or state ID card through the magnetic card reader from left to right with the magnetic strip to the rear.
2. Slide the violator operator’s license or state ID card **UPSIDE-DOWN** with license front **FACING YOU** from **LEFT** to **RIGHT** (magnetic strip upside down facing rear).
3. A **“3 beep tone”** indicates the information has been entered. (A **“2-beep tone”** indicates the information has not been entered.)
4. Press **ENTER** to manually enter the required data using the keyboard.

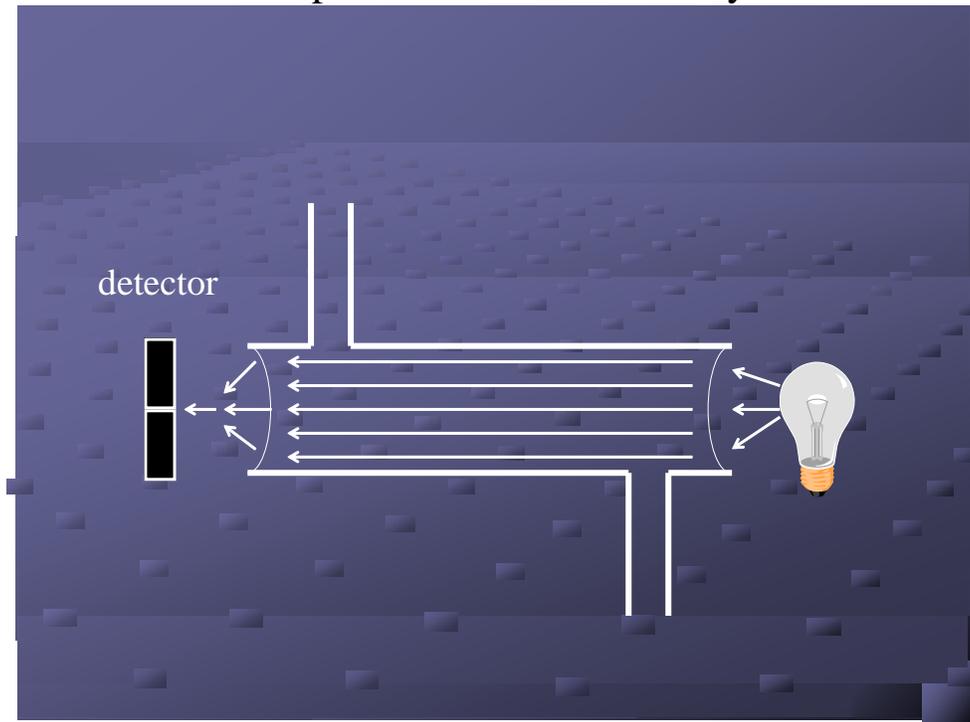


# OPERATION

## INTOXILYZER 8000 THEORY OF OPERATION

1. The Intoxilyzer 8000 uses the method of **INFRARED ABSORPTION** to analyze the breath sample.
2. The IR light source is a **PULSED INFRARED** light. Infrared light is not visible to the human eye. It is similar to the light from a TV channel changer.
3. The decrease in intensity of the IR light due to absorption by alcohol in the breath sample is proportional to the amount of alcohol in the breath.
4. **The breath sample hose is heated to prevent condensation.**

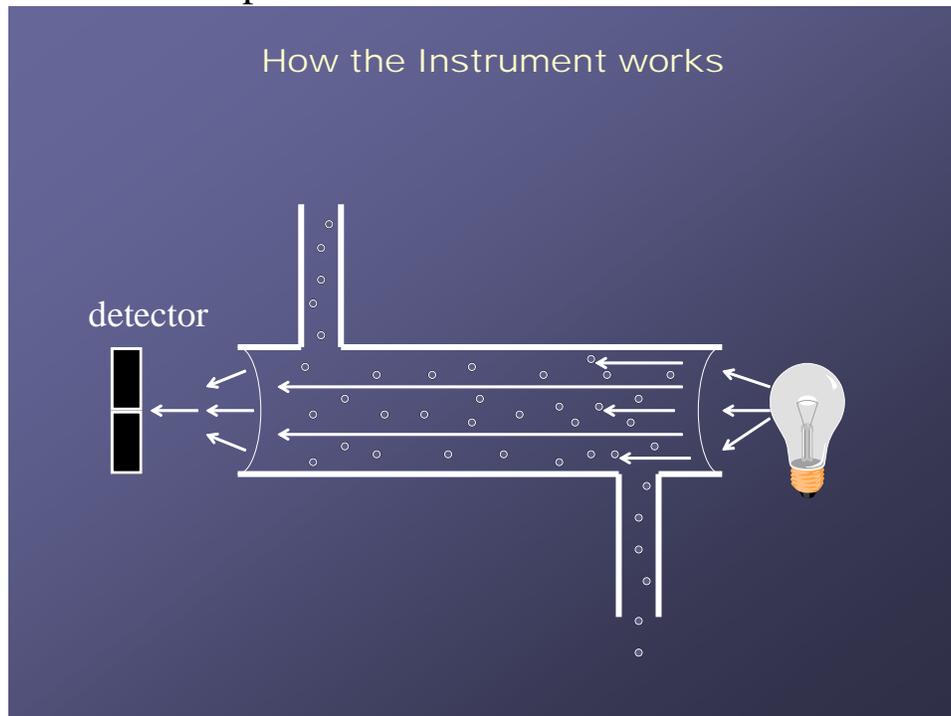
Sample chamber with air only



With air only in the sample chamber, all of the infrared light from the bulb reaches the detector on the far end of the chamber. There is no change in the intensity of the light.



## Sample chamber with alcohol and air



When alcohol is introduced into the sample chamber, some of the infrared light from the bulb is absorbed by the alcohol molecules. **The higher the alcohol concentration, the more light is absorbed, the higher the breath alcohol concentration reading (BrAC) on the instrument.**

# INTOXILYZER 8000

## POWER UP

### 110-VOLT AC POWER

**AC Power** is the **PRIMARY and default** power source for the Intoxilyzer 8000.

- To power up the instrument using **AC POWER**, connect the **AC POWER CORD** to the instrument and insert the **110-VOLT POWER PLUG** into a 110-volt power source.
- Move the **AC POWER SWITCH** and **BATTERY POWER SWITCH** to the **ON** position.
- Press the **START TEST** button. The instrument will power up and enter **NOT READY** Mode.

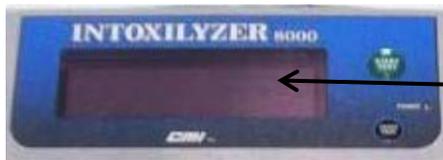
### 12-VOLT DC POWER

**DC Power** is a **SECONDARY** power source for the Intoxilyzer 8000.

- To power up the instrument using **12-VOLT POWER**, the auxiliary power source should be started before connecting the **DC POWER CORD** to the instrument and inserting the **12-VOLT POWER TIP** into a 12-volt power source.
- If you are going to use a DC power source, you should consult with Alcohol & Drug testing prior to use.
- Move the **AC POWER SWITCH** and **BATTERY POWER SWITCH** to the **ON** position.
- Press the **START TEST** button and the instrument will power up and enter **NOT READY** Mode.



# INTOXILYZER 8000



INSTRUMENT DISPLAY

The instrument will display one of the following **CHARGING INDICATORS**.



The Intoxilyzer 8000 is in **NOT READY** Mode during the warm up period using **AC** or **DC** Power.



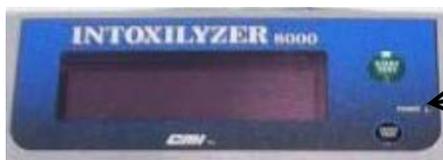
The Intoxilyzer 8000 is in **READY** or **STANDBY** Mode using **AC** or **DC** Power.



The Intoxilyzer 8000 is in **READY** or **STANDBY** Mode using **INTERNAL BATTERY** Power.



The Intoxilyzer 8000 is in **READY** or **STANDBY** Mode using **AC** or **DC** Power. The battery is full charged.



INSTRUMENT POWER LIGHT

A green light indicates the Intoxilyzer 8000 is in **NOT READY**, **READY** or **STANDBY** Mode – Battery Charged.

An amber lights indicates the Intoxilyzer 8000 is in **NOT READY**, **READY** or **STANDBY** Mode – Battery Charging.

A red light indicates the Intoxilyzer 8000 is connected to an **AC** or **DC** power source but not powered up.

## **TOTAL POWER OFF**

Move the **AC POWER SWITCH** and the **BATTERY POWER SWITCH** to the **OFF** position.



# **INTOXILYZER 8000**

## **NOT READY / READY / STANDBY / DIAGNOSTICS**

### **NOT READY MODE**

The instrument enters **NOT READY MODE** after power up displaying the date and time. The display will switch between **NOT READY** and **CHARGING STATUS**. After approximately 25 minutes, the instrument will beep and display the countdown to **READY MODE**.

### **STANDBY MODE**

When not used for approximately **30 minutes** the instrument enters **STANDBY MODE**. The instrument will remain in **STANDBY MODE** until you press the **START TEST** button or power the instrument off.

Press the **START TEST** button and the instrument will beep and display the countdown to **READY MODE**. This takes approximately one minute.

### **DIAGNOSTICS**

The instrument performs an **AIR BLANK** and **DIAGNOSTIC TEST** as part of the startup period. The instrument will cycle through each function and display **PASS** if functioning properly.

If any of the diagnostics **FAIL**, restart by pressing the **START TEST** button. If this second diagnostic fails, **discontinue use, NOTIFY ADT AT (614) 644-4678 and forward an Event Report.**

**If any function does not perform, including but not limited to 2 D Bar Code reader, signature pad, print locks (does not print record), turn both switches off, wait momentarily, then turn both switches back on and press the START TEST button.** (See also the page on data downloads.)



# INTOXILYZER 8000

## DATA ENTRY

To initiate a subject test sequence, press the **START TEST** button.

When responses are displayed, they are the default responses.

Place **OPERATOR ACCESS CARD** under the red light near the keyboard. The **2-D BAR CODE** reader is light sensitive. You may use a flashlight to illuminate the access card in low light conditions.

Swipe/Scan Access Card or Press  
Enter

Type in your **4-DIGIT PIN NUMBER**.  
Press **ENTER** to continue.

Enter 4-Digit Pin #

VERIFY all the information as the prompts are displayed. If the prompt information is correct, press **ENTER** to continue. If the prompt information is incorrect, correct manually using the keyboard, then press **ENTER** to continue.

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If you have issues with the access card and/or if the information on the card is incorrect, contact the Alcohol & Drug Testing Program at 614-644-4678.

Your **LAST NAME** from the Operator access card appears on the display. Press **ENTER**, if correct, to continue.

Operator's Last Name?

Your **FIRST NAME** from the Operator access card appears on the display. Press **ENTER**, if correct, to continue.

Operator's First Name?

Your **BADGE NUMBER** from the Operator access card appears on the display. Press **ENTER**, if correct, to continue.

Operator's Badge #?

Your **AGENCY** from the Operator access card appears on the display. Press **ENTER**, if correct, to continue.

Operator's Agency?

Your **COUNTY** from the Operator access card appears on the display. Press **ENTER**, if correct, to continue.

Operator's County?



Use **24-HOUR** format **00:00**. Press **ENTER** to continue.  
**Time First Observed** **MUST** be twenty minutes or more prior to the first breath sample.

**Time First Observed?**

The **“Y”** (Yes) response is displayed. Press **“N”** (No) if the **OPERATOR** is not the **ARRESTING OFFICER**.  
Once the correct **“Y”** or **“N”** response appears on the display. Press **ENTER** to continue.

**Is Operator Arresting Officer?**

If the **ARRESTING OFFICER** has an **OPERATOR ACCESS CARD**, place the **ARRESTING OFFICER’S OPERATOR ACCESS CARD** under the red light near the keyboard.

**Swipe/Scan Access Card or Press Enter**

If the **ARRESTING OFFICER** does not have an **OPERATOR ACCESS CARD**, press **ENTER** to manually enter the required data using the keyboard following the instrument display. If the arresting officer does have an access card, the information from the access card will appear and all the fields will need to be verified and manually corrected as needed.

The agency Court code is displayed.  
Press **ENTER**, if correct, to continue.

**Arresting Agency Court Code**

The agency NCIC # is displayed.  
Press **ENTER**, if correct, to continue.

**Arresting Agency NCIC #**

The agency Street address is displayed.  
Press **ENTER**, if correct, to continue.

**Arresting Agency Street Address**

The arresting agency city is displayed.  
Press **ENTER**, if correct, to continue.

**Arresting Agency City**

The arresting agency state is displayed.  
Press **ENTER**, if correct, to continue.

**Arresting Agency State**

The arresting agency zip code is displayed.  
Press **ENTER**, if correct, to continue.

**Arresting Agency Zip Code**

The **“N”** (No) response is displayed. Press **ENTER** to skip **REVIEW DATA**. Press **“Y”** (Yes) to **REVIEW** the information. Press **ENTER** to verify each entry.  
Press **“N”** (No) followed by **ENTER** to continue.

**Review Data (Y/N)**

**N**



## TESTING SEQUENCE / SUBJECT TEST

The **TEST LOCATION** of “S” (Station) is displayed.  
Press “R” if this is a roadside test.  
Press **ENTER** to continue.

**Test Location (R/S) S**

**Station**

The “N” (No) response is displayed.  
Press “Y” (Yes) if you need a copy of the July 2010 Implied Consent Form to provide to the subject. (Check with your court about using the proper revision.)  
Press **ENTER** to continue.

**Print Implied Consent Warning?**

**N**

The instrument will display the **CURRENT DATE**.  
Change the date if necessary. Press **ENTER** to continue.

**Date of Violation:**

The instrument will automatically display the **CURRENT DAY**. The instrument automatically forwards to the next display field after a few moments.

**Day of Violation?**

Enter the time of violation using 24 hour format.  
Press **ENTER** to continue.

**Time of Violation?**

The “N” (No) response is displayed. Press “Y” (Yes) once the form has been read and shown to the subject by the arresting officer. **Note: The program will not continue until the operator presses “Y”.**  
Press **ENTER** to continue.

**Implied Consent Warning Given?**

**N**

The “N” (No) response is displayed.  
Press **ENTER** to continue.  
If this a checkpoint arrest, change the response to “Y”.  
Press **ENTER** to continue.

**Sobriety Checkpoint Arrest?**

**N**

Type the route or street.  
Press **ENTER** to continue.

**Violation Street Name?**

Type the street address, milepost or nearest cross street.  
Press **ENTER** to continue.

**Violation Street Number or MP?**

Type the city or township name.  
Press **ENTER** to continue.

**Violation City?**

Your **COUNTY** from the access card appears on the display. If the county information is incorrect, type in the correct county. Press **ENTER** to continue.

**Violation County?**



The “N” (No) response is displayed.  
If a crash is involved, type “Y” (Yes).  
Press **ENTER** to continue.

**Crash (Y/N)?**

N

The “N” (No) response is displayed.  
If this is a fatal crash, type “Y” (Yes).  
Press **ENTER** to continue.

**Fatal Crash (Y/N)?**

N

The “N” (No) response is displayed.  
If this is an injury crash, type “Y” (Yes).  
Press **ENTER** to continue.

**Injury Crash (Y/N)?**

N

Press **ENTER** to skip **REVIEW DATA**.  
Press “Y” (Yes) to **REVIEW** the information.  
Press **ENTER** to verify each entry.  
Press “N” (No) followed by **ENTER** to continue.

**Review Data (Y/N)**

N

The **SUBJECT’S LAST NAME** is displayed as it appears on the operator’s license or state ID card or type the **SUBJECT’S LAST NAME** using the keyboard.  
Press **ENTER** to continue.

**Subject’s Last Name**

The **SUBJECT’S FIRST NAME** is displayed as it appears on the operator’s license or state ID card or type the **SUBJECT’S FIRST NAME** using the keyboard.  
Press **ENTER** to continue.

**Subject’s First Name**

The **SUBJECT’S STREET ADDRESS** is displayed as it appears on the operator’s license or state ID card or type the **SUBJECT’S STREET ADDRESS** using the keyboard.  
Press **ENTER** to continue.

**Subject’s Street Address**

The **SUBJECT’S CITY** is displayed as it appears on the operator’s license or state ID card or type the **SUBJECT’S CITY** using the keyboard.  
Press **ENTER** to continue.

**Subject’s City**

The **SUBJECT’S STATE** is displayed as it appears on the operator’s license or state ID card. The display defaults to “OH”. If the state differs, type the two letter **SUBJECT’S STATE** abbreviation or scroll through the menu to select the correct state.  
Press **ENTER** to continue.

**Subject’s State? OH**

**OHIO**



The **SUBJECT'S ZIP CODE** is displayed.  
If the zip code differs, type the correct zip code.  
Press **ENTER** to continue.

**Subject's Zip Code**

The **SUBJECT'S DATE OF BIRTH** is displayed as it appears on the operator's license or state ID card or type the **SUBJECT'S DATE OF BIRTH** using the keyboard.  
The format is MM/DD/YYYY.  
Press **ENTER** to continue.

**Subject's Date of Birth**

The instrument will display the **SUBJECT'S AGE**. The instrument automatically forwards to the next display field after a few moments.

**Subject's Age**

IF the **SUBJECT'S SOCIAL SECURITY #** is displayed, verify the number. Follow your agency and local court policy about data entry.  
Press **ENTER** to continue.

**Subject's Social Security #?**

The **SUBJECT'S SEX** is displayed.  
The prompt defaults to "**M**". Enter the correct gender.  
Press **ENTER** to continue.

**Subject's Sex? M**

**Male**

Type the **COUNTY OF RESIDENCE** using the keyboard.  
Press **ENTER** to continue.

**County of Residence**

The **SUBJECT'S RACE** is displayed. The prompt defaults to "**W**". Enter race format (A=Asian, B=Black, H=Hispanic, N= Native American, O=Other, W=White) or scroll through the menu.  
Press **ENTER** to continue.

**Subject's Race? W**

**White**

The subject's **OPERATOR LICENSE #/STATE ID#** is displayed as it appears on the operator's license or state ID card or type the number using the keyboard.  
Press **ENTER** to continue.

**Operator License # / State ID #?**

The **STATE OF ISSUE** is displayed as it appears on the operator's license or state ID card. The display defaults to "**OH**". If the subject's state differs, type the two letter subject's state abbreviation or scroll through the menu to select the correct state.  
Press **ENTER** to continue.

**State of Issue? OH**

**Ohio**



The subject's **LICENSE CLASS** is displayed as it appears on the operator's license or state ID card. The display defaults to "**D**". Use license class format **D=Operator, C=CDL** or scroll through the menu. Press **ENTER** to continue.

**License Class? D**

**None**

The subject's **LICENSE RESTRICTIONS** are displayed as they appear on the operator's license or state ID card. The display defaults to "**A**". Use format **A=None, B= Corrective Lenses** or scroll through the menu. Press **ENTER** to continue.

**License Restrictions? A**

**None**

The subject's **LICENSE ENDORSEMENTS** are displayed as they appear on the operator's license or state ID card. The display defaults to "**NONE**". Use format **M=Motorcycle, S=School Bus** or scroll through the menu. Press **ENTER** to continue.

**License Endorsements?**

**None**

The subject's **LICENSE EXPIRATION DATE** is displayed as it appears on the operator's license or state ID card or type the subject's license expiration date using the keyboard. The format is MM/YYYY for expiration. Press **ENTER** to continue.

**License Expiration Date?**

**REVIEW DATA (Y/N)** is displayed. The display defaults to "**N**" (No). Press **ENTER** to skip **REVIEW DATA**. Press "**Y**" (Yes) to **REVIEW** the information. Press **ENTER** to verify each entry.

**Review Data (Y/N)?**

**N**

If the arresting officer is not the operator, request the arresting officer to sign on the attached pad. Press **ACCEPT** on the signature pad or press **ENTER**.

**Arresting Officer**

**Please Sign on Attached Pad**

Have the violator sign on the **SIGNATURE PAD**. If the subject refuses, print **REFUSED** on the signature pad. Press **ACCEPT** on the signature pad or press **ENTER**

**Violator**

**Please Sign on Attached Pad**

Request the **IMPLIED CONSENT WITNESS** to sign on the **SIGNATURE PAD**. Press **ACCEPT** on the signature pad or press **ENTER**.

**Witness**

**Please Sign on Attached Pad**



The **OPERATOR** signs on the **SIGNATURE PAD**.  
Press **ACCEPT** on the signature pad or press **ENTER**.

**Operator**  
**Please Sign on Attached Pad**

**REFUSE BREATH TEST** is displayed.  
The display defaults to “**N**” (No).  
Press “**Y**” (Yes) if the subject refuses the breath test.  
Press **ENTER** to continue with the testing sequence. A  
breath test refusal will print if the subject refuses.

**Refuse Breath Test?**  
**N**

**At any time during the breath sample, when Please Blow/R appears, the operator can press R and enter as a refusal.**

The “**N**” (No) response is displayed.  
Press **ENTER** to skip **REVIEW DATA**.  
Press “**Y**” (Yes) to **REVIEW** the information.  
Press **ENTER** to verify each entry.

**Review Data (Y/N)?**  
**N**

The instrument will perform an air blank, a diagnostic test, an air blank, reference, a dry gas control (results must be .100 +/- .005), an air blank, and reference.

**PLACE A MOUTHPIECE ON THE BREATH TUBE. ADVISE THE SUBJECT TO PROVIDE A BREATH SAMPLE. THE SUBJECT SHOULD NOT QUIT UNTIL ALL BREATH IS EXHAUSTED.**  
**The subject has three minutes to complete a sample.**

**Please Blow Until Tone Stops/R**  
 **0%**

**DISCARD THE MOUTHPIECE**

Press any key to Proceed.

**Please Remove Mouthpiece**  
**Press Any Key to Proceed**

The instrument will perform an air blank.

Enter the **CITATION #**.  
Press **ENTER** to continue.

**Citation #?**

Enter the **VEHICLE VIN#** (Vehicle Identification Number).  
Press **ENTER** to continue.

**Vehicle VIN #?**

Enter the **VEHICLE LICENSE #**.  
Press **ENTER** to continue.

**Vehicle License #?**

The display defaults to “**OH**”.  
If the subject’s license state differs, type the two letter vehicle license state abbreviation or scroll through the menu to select the correct state.  
Press **ENTER** to continue.

**Vehicle License State? OH**  
**Ohio**



Type in the **VEHICLE YEAR**.  
Press **ENTER** to continue.

Vehicle Year?

Type in the **VEHICLE MAKE**.  
Press **ENTER** to continue.

Vehicle Make?

**VEHICLE TYPE?** is displayed and defaults to **“P”**.  
Use **VEHICLE TYPE** format, **P= Passenger Car**, **T= Pick up truck**, **CMV=Commercial Motor Vehicle**, **M= Motorcycle** or scroll through the menu for vehicle type.  
Press **ENTER** to continue.

Vehicle Type? P  
Passenger Car

The **“Y”** (Yes) response is displayed.  
Press **“N”** (No) if the operator is not the vehicle owner.  
Press **ENTER** to continue.

Is Operator Vehicle Owner?  
Y

Enter information prompted by the displays if the operator is **NOT** the vehicle owner.

The **“N”** (No) response is displayed.  
Press **Enter** to continue.

Operating Commercial Vehicle?  
N

The **“N”** (No) response is displayed.  
Press **ENTER** to skip **REVIEW DATA**.  
Press **“Y”** (Yes) to **REVIEW** the information.  
Press **ENTER** to verify each entry.

Review Data (Y/N)?  
N

Press any key on the keyboard to continue.  
**Do not replace the mouthpiece at this time.**

Please Replace Mouthpiece  
Press Any Key to Proceed

The remaining **COUNTDOWN** (if applicable) from subject sample one (2 minutes) is displayed.

Please Wait  
Ready in 00:30

The instrument will perform an air blank and reference.

Place a new **MOUTHPIECE** on the breath tube for the second subject sample.  
**ADVISE THE SUBJECT TO PROVIDE A SECOND BREATH SAMPLE. THE SUBJECT SHOULD NOT QUIT UNTIL ALL BREATH IS EXHAUSTED.**

Please Blow Until  
Tone Stops/R  
0%

**DISCARD THE MOUTHPIECE**  
Press any key to proceed.

Please Remove Mouthpiece  
Press Any Key to Proceed

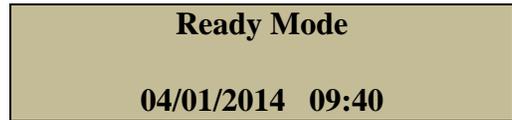


The instrument will perform an air blank, reference, a dry gas control (results must be .100 +/- .005), and an air blank.

The instrument continues until the test is complete.  
**Printing of forms begins.**



The instrument returns to "Ready Mode".



This is a complete subject test form. There will be a dry gas control before the first breath sample and after the last breath sample. There must be two complete breath samples for the breath test. **The BrAC reading on the report will be the lower of the two sample readings.**





Ohio Department of Health  
 Bureau of Alcohol and Drug Testing  
 Subject Test Report

**Subject Information**

TEST DATE 03/11/2009	NAME GOOD, JOHNNY B	DRIVERS LICENSE NUMBER SV292655	STATE OH
CURRENT STREET ADDRESS (As Verified by Officer) 123 MAIN STREET		SOCIAL SECURITY # 123-44-8789	
CITY ANYWHERE	STATE OH	ZIP CODE 12345	DATE OF BIRTH 06/21/1955
		AGE 53	SEX M

**Arrest Information**

ARRESTING OFFICER FRIENDLY, OFFICER	AGENCY ANYWHERE PD		
TESTING OFFICER FRIENDLY, OFFICER	AGENCY ANYWHERE PD	ODH CERTIFICATION # 00004	
TIME OF VIOLATION 18:00	TIME FIRST OBSERVED 18:00	IMPLIED CONSENT WARNING Y 03/11/2009 19:03	TIME OF TEST 19:00

**Test Information**

INSTRUMENT SERIAL # 80-002353	TEST SITE # 12-0121300-002353	DATE OF LAST CERTIFICATION 10/29/2008	CERTIFICATION SOLUTION # ODH-0014
CERTIFICATION BOTTLE # 193	TARGET VALUE 0.100 g/210L	CERTIFICATION AVERAGE 103680	CERTIFICATION STANDARD DEVIATION 105522
Test	BrAC (g/210L)	Time	DRY GAS STANDARD
Air Blank	0.000	19:06	
Diagnostic	UAC/DK	19:06	LOT # 726302I
Air Blank	0.000	19:06	
Dry Gas Control	0.103	19:07	TANK # 105
Air Blank	0.000	19:07	
Subject Test 1	0.055	19:10	TARGET: 0.100 g/210L
Air Blank	0.000	19:10	
Air Blank	0.000	19:13	
Subject Test 2	0.060	19:13	
Air Blank	0.000	19:14	
Dry Gas Control	0.102	19:14	
Air Blank	0.000	19:15	

**BrAC = 0.055 g/210L**

	03/11/2009
ARRESTING OFFICER'S SIGNATURE	DATE
	03/11/2009
TESTING OFFICER'S SIGNATURE	DATE

Revised 02-21-2009



**ESCAPE SEQUENCES**  
**INTOXILYZER**  
**8000**

Pressing the escape key twice on the keyboard will **DISPLAY** the following:

**Swipe/Scan Certification Card or  
Press Enter**

Place **OPERATOR ACCESS CARD** under the red light near the keyboard or press **ENTER** to manually enter the access card number. Enter your **PIN** number when requested.

Use the **←** or **→** **ARROW** keys to move the cursor or press the **LETTER KEY** to go directly to that function.

**1: ADPRSQ  
Continuous Air Blank**

Press “**A**” followed by **ENTER** to perform a **CONTINUOUS AIR BLANK**. The instrument pump will **PURGE** the sample cell. Press the **START TEST** button to stop the **CONTINUOUS AIR BLANK**. The **DISPLAY** automatically returns to the menu.

**1: ADPRSQ  
Continuous Air Blank**

Press “**D**” followed by **ENTER** to perform and print a **DIAGNOSTIC TEST**. The **DISPLAY** automatically returns to the menu.

**1: ADPRSQ  
Diagnostic**

Press “**P**” followed by **ENTER** to perform a **PRINT TEST**. The **DISPLAY** automatically returns to the menu.

**1: ADPRSQ  
Print Test**

Press “**R**” followed by **ENTER** to **RECALL** prior subject test records from memory.

**1: ADPRSQ  
Recall Test From Mem**

The most recent **RECORD DATE** will be displayed. Press the **PgUp/PgDn** keys to scroll through dates. Once the correct **RECORD DATE** appears, press **ENTER**.

**Record Date  
10/15/2013**

The number of **RECORDS** will be displayed for that date. Press **ENTER** to continue.

**10/15/2013  
# OF RECORDS: 003**



Use the **↑** or **↓** **ARROW** keys to display each **RECORD**.  
Use the **←** or **→** **ARROW** keys to view additional information to confirm the record. Press **ENTER** to **PRINT** the displayed record.  
Press the **ESCAPE** key until the **DISPLAY** returns to the menu.

10/15/2013 R#: 001  
#DOE, JOHN

Press **“S”** to **REPRINT LAST TEST**. Press **ENTER** to display available forms. Scroll through the forms for the appropriate selection.

1: ADPRSQ  
Reprint Last Test

Press **ENTER** to print **ALL** forms from the last **SUBJECT TEST** or scroll through the forms.

Reprint Which Form?      A  
All

Press **ENTER** to print **ONLY** the **SUBJECT TEST REPORT** or scroll through the forms.

Reprint Which Form?      S  
Subject Test Report

Press **ENTER** to print **ONLY** the front of the **ALS (Administrative License Suspension) FORM** or scroll through the forms.

Reprint Which Form?      L  
ALS Form

Press **ENTER** to print **ONLY** the **IMPLIED CONSENT FORM** or scroll through the forms.

Reprint Which Form?      C  
Implied Consent Form

Press **ENTER** to print **ONLY** the **IMPAIRED DRIVER REPORT** or to scroll through the forms.

Reprint Which Form?      D  
Implied Consent Form

Press **ESCAPE** to exit **REPRINT WHICH FORM? SEQUENCE ABORTED** will be displayed with the **HIGH/LOW** tone. The **DISPLAY** returns to the menu.

Reprint Which Form?      A  
Implied Consent Form

Press **“Q”** followed by **ENTER** to return the instrument to **READY MODE**.

1: ADPRSQ  
Quit Menu

The instrument returns to Ready Mode.

Ready Mode  
Push Any Button to Start



# EXCEPTION MESSAGES

## INTOXILYZER 8000

A message may be displayed to the operator indicating an exception has been identified. The following chart includes the exception messages displayed, the issue identified by the instrument and the operator's best practices to complete a valid testing sequence. Whenever a new testing sequence is initiated, the operator should reinstruct the subject on how to successfully complete a test sequence, utilize a new mouthpiece and use discretion when determining if a new observation period should be performed.

Exception Displayed	Issue	Best Practice
Ambient Fail	Ethanol was detected in the air brought into the instrument during an air blank.	Check area around instrument for a possible source of ethanol and make best effort to remove source and/or ventilate area. Retest subject.
Deficient Sample	The subject does not provide an adequate sample during the required 3 minute time frame.	Retest subject.
Diagnostic Fail	The instrument did not successfully complete an internal diagnostic check. The test record will identify and print the specific diagnostic failure.	Retest subject. Contact ADT (see below) if second sequence is unsuccessful.
Dry Gas Out of Tolerance	The dry gas control value generated is outside of required limits.	Retest subject. Contact ADT (see below) if second sequence is unsuccessful.
Improper Sample	The subject provided a breath sample at the wrong time in the sequence.	Retest subject.



Input Timeout	The data entry function timed-out waiting for input from the operator.	Retest subject.
Interferent Detect	A substance other than alcohol was detected in the breath sample.	Retest subject. Request a blood or urine sample if second sequence is unsuccessful.
Invalid Sample	Possible mouth alcohol was detected in the subject's sample.	Retest subject.
No Sample Given	The subject did not provide a breath sample.	Retest subject. Request a blood or urine sample if second sequence is unsuccessful.
No .020 agreement	The subject test results were not within .020 g/210L of each other.	Retest subject.
Purge Fail	The air blank after an analytical reading was not adequately cleared within required limits.	Retest subject. Contact ADT (see below) if second sequence is unsuccessful.
Range Exceeded	The analytical value exceeds the maximum reported value of the instrument.	Retest subject. Contact ADT (see below) if second sequence is unsuccessful.
RFI Detect	Radio Frequency Interference has been detected.	Check area around instrument for a possible source of radio frequency and make best effort to remove source from the area. Retest subject.
Sequence Aborted	The Start Test button was pressed during an ongoing test sequence.	Retest subject.
Tank Pressure Low	Dry Gas Control pressure is below 50 PSI.	Complete testing sequence and contact ADT (see below).



Tank Pressure Below Minimum	Dry Gas Control pressure is below 25 PSI.	Use a different instrument or method of obtaining a sample. Contact ADT (see below).
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Ohio Department of Health  
Alcohol & Drug Testing Program  
Phone (614) 644-4678  
Fax (614) 728-9179

**Ohio Department of Health Intoxilyzer 8000 event report**

**Prior to Reporting problems please turn off the instrument wait 10 seconds and then turn back on. Press start test button. Wait to ready state. Printing will not continue however and will require the reprint last test option to select the form/s to reprint .**

Date:  Agency:

Instrument Serial # 80-

Contact Name  Ph#

**Problem**

- Print function ( Specify)
- Card reader (Specify)
- Error messages (specify)
- Dry Gas ( Specify)
- Signature pad (specify)
- Other
- Instrument is in Disable mode

Description of problem:

Error Message:

**Fax any printouts with error messages with this form to 614-728-9179**



# **INTOXILYZER 8000 LASER JET PRINTER STATIONARY APPLICATION**

The internal Pentax thermal printer is the default printer for the instrument.

When the instrument is used inside the station or when returned to the station after portable use, connect the instrument to the Brother Laser Jet printer with the USB cable.



Turn the Laser Jet power switch to the ON position. The USB connection automatically sends all printing to the Laser Jet printer when connected to the instrument.

A flashing yellow toner light indicates the toner needs to be replaced soon. Toner can be obtained from a local vendor.

To return to the internal Pentax thermal printer for portable use, disconnect the laser jet USB cable from the instrument. The instrument is now ready for portable use. The internal Pentax thermal printer is automatically ready for printing.

It is recommended that the Laser Jet printer remains connected unless the instrument is removed for portable use.



# INTOXILYZER 8000

## DATA TRANSFER / INSTRUMENT UPDATES

To transfer data from the Intoxilyzer 8000 and receive instrument updates:

1. Turn **both** power switches off, wait momentarily, then turn both switches back on and press the **START TEST** button.
2. Wait approximately one minute/**NOT READY MODE** appears on the display.
3. Press and hold the “**CTRL**” and the “**U**” keys at the same time.
4. The instrument will automatically connect to the server.
5. While **DOWNLOADING** the following appears on the instrument display:

**DO NOT TURN POWER OFF UNTIL TRANSFER IS COMPLETE**

<b>Comms Transfer Connecting</b> .....	<b>Comms Transfer Connected</b> .....
<b>Comms Transfer Comms Section Active.....</b>	<b>Comms Transfer Records Downloading.....</b>
<b>Please Wait File Uploading</b> .....	

6. When **DOWNLOAD** is successful the following appears on the instrument display:

<b>Comms Transfer Upload: OK</b>
--

7. Press any key on the keyboard and the instrument display returns to normal.

<b>Ready Mode Push Any Button To Start</b>
--



If **DOWNLOAD** is **UNSUCCESSFUL**, the following appears on the instrument display:

**No Connect**  
**Retry? Y/N**

Press Y. If the retry fails, the following appears on the display:

**Comms: Transfer**  
**Upload      Fail**

**IF A SECOND “CTRL” “U” FAILS -**  
**NOTIFY ADT AT (614) 644-4678**  
**FORWARD AN EVENT REPORT VIA FAX.**  
**LEAVE MESSAGE IF NO ANSWER.**  
**PLEASE GIVE AGENCY NAME,**  
**INSTRUMENT SERIAL NUMBER, AND ADVISE**  
**COMMUNICATION TRANSFER FAILED**

**Press Any Key To Continue Subject Testing**



# ± EVENT REPORT

Use this form to report any issues with the instrument.  
The form is available in a document file for agencies to  
download for their own use.

Ohio Department of Health Intoxilyzer 8000 event report

Prior to Reporting problems please turn off the instrument wait 10 seconds and then turn back on. Press start test button. Wait to ready state. Printing will not continue however and will require the reprint last test option to select the form/s to reprint .

Date:  Agency:

Instrument Serial # 80-

Contact Name	Ph#
<input type="text"/>	

Problem

- Print function ( Specify)
- Card reader (Specify)
- Error messages (specify)
- Dry Gas ( Specify)
- Signature pad (specify)
- Other
- Instrument is in Disable mode

Description of problem:

Error Message:

Fax any printouts with error messages with this form to 614-728-9179



# Annual Access Card Proficiency

In order to maintain a valid access card, the card holder must perform either a complete, successful violator (subject) test with a breath alcohol concentration (refusals, time outs, or other incomplete tests do not qualify) OR a complete, successful proficiency test, following guidelines provided by the Alcohol & Drug Testing Program at least once each calendar year (January 1 through December 31). If a complete subject test or proficiency test is not provided, the access card holder is subject to revocation. Refer to Ohio Administrative Code Rules 3701-53-08 (D), 3701-53-09 (E), and 3701-53-10 (B) and (C)(2).



# Alcohol in the Human Body

- Ethanol (ethyl alcohol) is the specific alcohol that is present in alcoholic beverages.
- Ethyl alcohol is less toxic than other alcohols, but all alcohols are toxic and if a sufficient quantity is consumed, death will result.
- Characteristics of ethanol:
  - Colorless
  - Mixes readily with water
  - Slight odor
  - Burning taste

For the remainder of this text, the term alcohol will denote ethanol.

- **Acetone**, found in uncontrolled diabetics / diabetic crisis, **closely matches the signs and symptoms of alcohol. The instrument will detect acetone and display as an Interferent Detect.**

## How Alcohol is Measured

### Dosage Forms of Alcohol

- A standard drink contains 12oz beer, 4oz wine, or 1oz hard liquor. A standard drink contains approximately one-half ounce of pure ethanol.

$$12\text{oz beer} \times 4\% \text{ alcohol} = .48\text{oz ethanol}$$

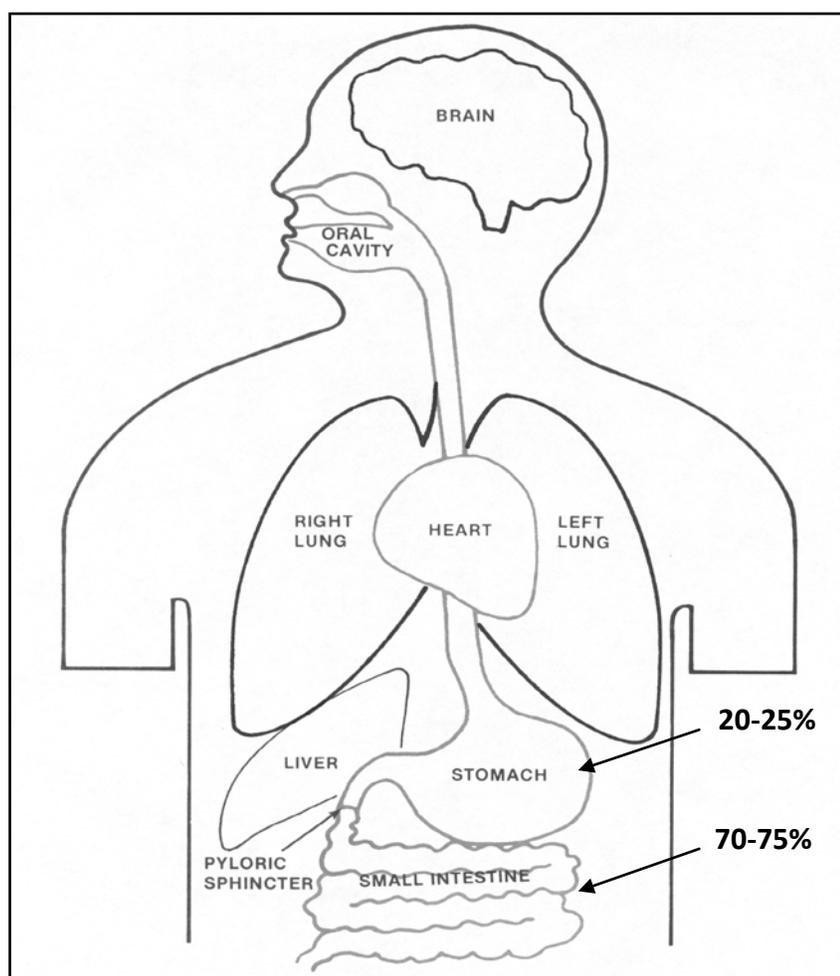
$$4\text{oz wine} \times 12\% \text{ alcohol} = .48\text{oz ethanol}$$

$$1\text{oz liquor} \times 50\% \text{ alcohol} = .50\text{oz ethanol}$$



## Absorption of Alcohol

- Alcohol can enter the body in several different ways: injection, inhalation, skin absorption, and **ingestion (drinking)**.
- Absorption through the skin and absorption through inhalation result in very little alcohol being introduced into the body. It is virtually impossible to have any significant concentration build up in the body in these ways.
- Alcohol is absorbed unchanged, not digested.
- Only a small amount of alcohol will be absorbed through the lining of the mouth. All traces of alcohol will be gone from the mouth within **15 to 20 minutes** after the last drink, thus the **20 minute observation period** before any breath test in Ohio.
- The majority of alcohol is absorbed by the stomach and small intestine.
- Food in the stomach slows the absorption of alcohol.
  - **Stomach content is the single greatest determinant in the absorption rate of alcohol.**



## Distribution of Alcohol

- Alcohol is absorbed into the blood stream from the small intestine and stomach. It passes through the liver and travels to the right side of the heart. The heart pumps it to the lungs and it returns to the left side of the heart. The heart then distributes the alcohol throughout the body.
- Alcohol is distributed in proportion to body water because alcohol has an attraction to water.
- The greater the water content of a tissue, the greater its alcohol content will be in relation to other tissues.

## Elimination of Alcohol

- **Ethanol is removed from the body through metabolism in the liver, excretion, and evaporation.** Metabolism accounts for virtually all of the elimination of alcohol. Approximately 90% of the alcohol is removed by metabolism.
- **The elimination rate, used to be conservative, is 0.015% per hour.**
- The only way to sober up is to allow the body to metabolize the alcohol. Exercise, caffeine or other stimulants will not speed up the process. While food in the stomach before drinking will slow the absorption of alcohol, eating after drinking will not affect the metabolism of alcohol.



## Henry's Law

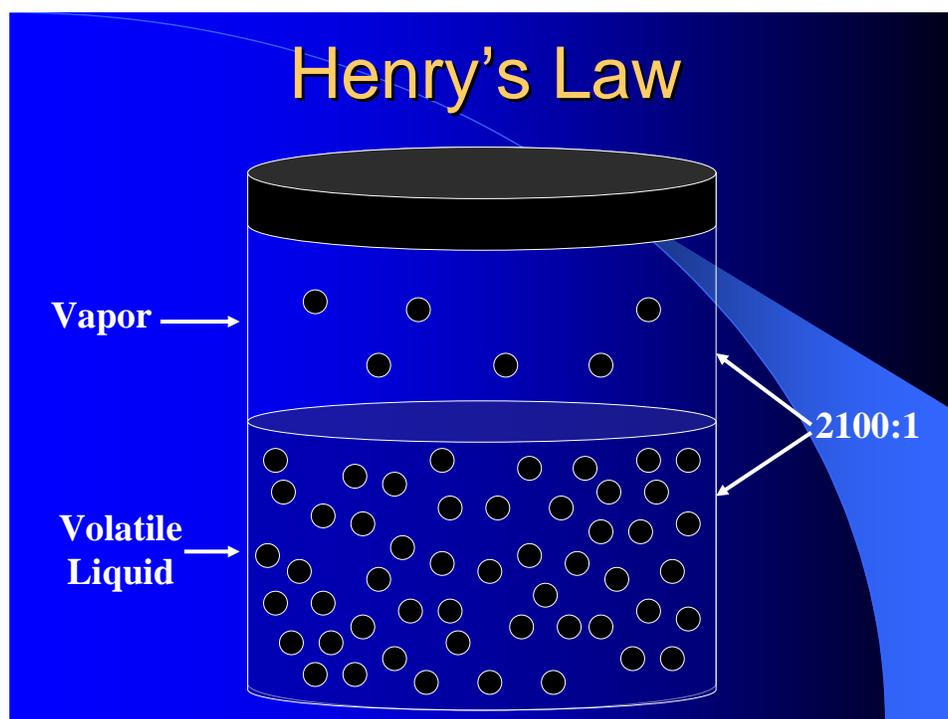
- Henry's Law is the fundamental law supporting breath testing.
- Henry's Law states:

*The concentration of a volatile substance in the air above a liquid is proportional to the concentration of the volatile substance in the liquid.*

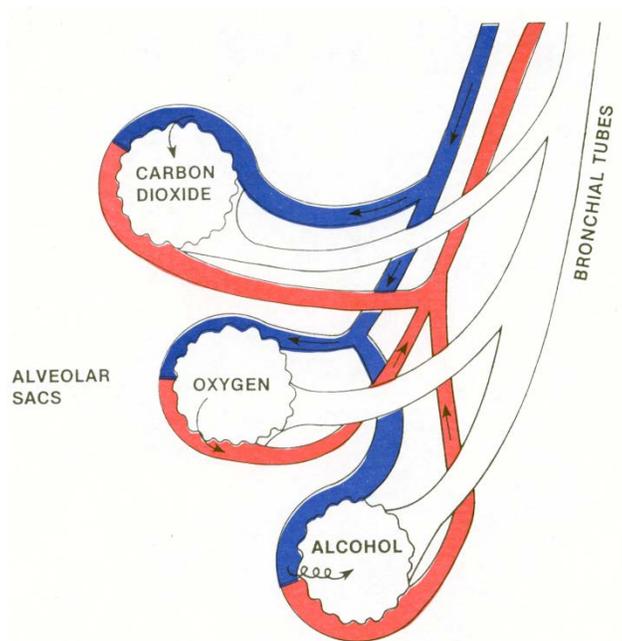
- As applied to breath testing, this means:

*The concentration of alcohol in the breath is proportional to the concentration of alcohol in the blood.*

- This proportion for blood to breath is 2100:1, which means that for every 2100 molecules of alcohol in the blood, there will be 1 molecule of alcohol in the breath.



- The exchange of alcohol molecules between the blood and the breath takes place in the air sacs (*alveoli*) deep within the lungs. **When the subject has been requested to provide a breath sample, they are instructed to give a sample of deep lung air, which will closely match the blood to breath ratio of the alveolar air.**
- Breath test:
  - Deep lung air
  - Most closely approximates blood test result
  - Easy to obtain with instantaneous results
  - **Breath units: grams alcohol per 210 L of breath (g/210 L)**
  - Blood to breath ratio: 2100:1
  - Blood units: grams alcohol per 100 ml of blood (g/100 ml)
  - Urine: grams alcohol per 100 ml of urine (g/100 ml)



## Impairment

- **Alcohol acts as a central nervous system (CNS) depressant**, which means that it slows down the responses of the CNS.
- Alcohol has a variety of effects, including reasoning and judgment (cognitive), physical senses (sensory), and motor. The final effect of impairment is death.

.60	Death occurs
.50+	Comatose
.40	Fatal dose in some persons
.27-.40	Unable to stand or walk, vomiting, lapses into sleep
.18-.30	Mental confusion, slurred speech, staggering
.18	Crash involvement increased dramatically (50+ times average)
.08-.10	Decreasing muscle control and hand coordination
.08	Illegal Per Se, all drivers impaired (National Safety Council)
.06	Vision focus recovery increases from .1 to .2 seconds
.05-.06	Fine motor skills impaired (gaze nystagmus may be noticed)
.05	AMA Recommendation for per se level
.04	DOT limit for CDL
.04	Increased crash involvement
.04	Decreased night vision, glare recovery, depth perception
.03-.10	More sociable, loss of attention, judgment & intellect impaired
.025	Alcohol content of 150 pound man with one standard drink
.02	Impairment begins, DOT screening level
.01-.05	Drinker appears normal



## OHIO REVISED CODE

### **3701.143 Analyzing blood, urine, breath or other bodily substance to determine alcohol or drug of abuse content.**

For purposes of sections [1547.11](#) , [4511.19](#) , and [4511.194](#) of the Revised Code, the director of health shall determine, or cause to be determined, techniques or methods for chemically analyzing a person's whole blood, blood serum or plasma, urine, breath, or other bodily substance in order to ascertain the amount of alcohol, a drug of abuse, controlled substance, metabolite of a controlled substance, or combination of them in the person's whole blood, blood serum or plasma, urine, breath, or other bodily substance. **The director shall approve satisfactory techniques or methods, ascertain the qualifications of individuals to conduct such analyses, and issue permits to qualified persons authorizing them to perform such analyses. Such permits shall be subject to termination or revocation at the discretion of the director.**

As used in this section, "drug of abuse" has the same meaning as in section 4506.01 of the Revised Code.

### **4511.01 Traffic laws - operation of motor vehicles definitions.**

As used in this chapter and in Chapter 4513 of the Revised Code:

(A) **"Vehicle"** means every device, including a motorized bicycle, in, upon, or by which any person or property may be transported or drawn upon a highway, except that "vehicle" does not include any motorized wheelchair, any electric personal assistive mobility device, any device that is moved by power collected from overhead electric trolley wires or that is used exclusively upon stationary rails or tracks, or any device, other than a bicycle, that is moved by human power.

(HHH) **"Operate"** means to cause or have caused movement of a vehicle, streetcar, or trackless trolley.



## **4511.19 Operating vehicle under the influence of alcohol or drugs - OVI.**

**(A) (1) No person shall operate any vehicle, streetcar, or trackless trolley within this state, if, at the time of the operation, any of the following apply:**

**(a) The person is under the influence of alcohol, a drug of abuse, or a combination of them.**

(b) The person has a concentration of eight-hundredths of one per cent or more but less than seventeen-hundredths of one per cent by weight per unit volume of alcohol in the person's whole blood.

(c) The person has a concentration of ninety-six-thousandths of one per cent or more but less than two hundred four-thousandths of one per cent by weight per unit volume of alcohol in the person's blood serum or plasma.

**(d) The person has a concentration of eight-hundredths of one gram or more but less than seventeen-hundredths of one gram by weight of alcohol per two hundred ten liters of the person's breath.**

(e) The person has a concentration of eleven-hundredths of one gram or more but less than two hundred thirty-eight-thousandths of one gram by weight of alcohol per one hundred milliliters of the person's urine.

**(h) The person has a concentration of seventeen-hundredths of one gram or more by weight of alcohol per two hundred ten liters of the person's breath.**

(Note: Levels above the listed per se, i.e. .170% BrAC, face elevated penalties.)

**(D) (1) (b) In any criminal prosecution or juvenile court proceeding for a violation of division (A) or (B) of this section or for an equivalent offense that is vehicle-related, the court may admit evidence on the concentration of alcohol, drugs of abuse, controlled substances, metabolites of a controlled substance, or a combination of them in the defendant's whole blood, blood serum or plasma, breath, urine, or other bodily substance at the time of the alleged violation as shown by chemical analysis of the substance withdrawn within three hours of the time of the alleged violation.** The three-hour time limit specified in this division regarding the admission of evidence does not extend or affect the two-hour time limit specified in division (A) of section 4511.192 of the Revised Code as the maximum period of time during which a person may consent to a chemical test or tests as described in that section.



**(3) Upon the request of the person who was tested, the results of the chemical test shall be made available to the person or the person's attorney, immediately upon the completion of the chemical test analysis.**

**If the chemical test was obtained pursuant to division (D)(1)(b) of this section, the person tested may have a physician, a registered nurse, or a qualified technician, chemist, or phlebotomist of the person's own choosing administer a chemical test or tests, at the person's expense, in addition to any administered at the request of a law enforcement officer.** If the person was under arrest as described in division (A)(5) of section 4511.191 of the Revised Code, the arresting officer shall advise the person at the time of the arrest that the person may have an independent chemical test taken at the person's own expense. If the person was under arrest other than described in division (A)(5) of section 4511.191 of the Revised Code, the form to be read to the person to be tested, as required under section 4511.192 of the Revised Code, shall state that the person may have an independent test performed at the person's expense. The failure or inability to obtain an additional chemical test by a person shall not preclude the admission of evidence relating to the chemical test or tests taken at the request of a law enforcement officer.

#### **4511.191 Implied consent.**

**(A) (5) (a) If a law enforcement officer arrests a person for a violation of division (A) or (B) of section 4511.19 of the Revised Code, section 4511.194 of the Revised Code or a substantially equivalent municipal ordinance, or a municipal OVI ordinance and if the person if convicted would be required to be sentenced under division (G)(1)(c), (d), or (e) of section 4511.19 of the Revised Code, the law enforcement officer shall request the person to submit, and the person shall submit, to a chemical test or tests of the person's whole blood, blood serum or plasma, breath, or urine for the purpose of determining the alcohol, drug of abuse, controlled substance, metabolite of a controlled substance, or combination content of the person's whole blood, blood serum or plasma, breath, or urine.** A law enforcement officer who makes a request pursuant to this division that a person submit to a chemical test or tests is not required to advise the person of the consequences of submitting to, or refusing to submit to, the test or tests and is not required to give the person the form described in division (B) of section 4511.192 of the Revised Code, but the officer shall advise the person at the time of the arrest that **if the person refuses to take a chemical test the officer may employ whatever reasonable means are necessary to ensure that the person submits to a chemical test of the person's whole blood or blood serum**



**or plasma. The officer shall also advise the person at the time of the arrest that the person may have an independent chemical test taken at the person's own expense.** Divisions (A)(3) and (4) of this section apply to the administration of a chemical test or tests pursuant to this division.

(Note: This is for 2<sup>nd</sup> and subsequent offenses of OVI.)

(b) If a person refuses to submit to a chemical test upon a request made pursuant to division (A)(5)(a) of this section, the law enforcement officer who made the request may employ whatever reasonable means are necessary to ensure that the person submits to a chemical test of the person's whole blood or blood serum or plasma. A law enforcement officer who acts pursuant to this division to ensure that a person submits to a chemical test of the person's whole blood or blood serum or plasma is immune from criminal and civil liability based upon a claim for assault and battery or any other claim for the acts, unless the officer so acted with malicious purpose, in bad faith, or in a wanton or reckless manner.

#### **4511.192 Advice to OVI arrestee.**

(A) Except as provided in division (A)(5) of section 4511.191 of the Revised Code, the arresting law enforcement officer shall give advice in accordance with this section to any person under arrest for a violation of division (A) or (B) of section 4511.19 of the Revised Code, section 4511.194 of the Revised Code or a substantially equivalent municipal ordinance, or a municipal OVI ordinance. The officer shall give that advice in a written form that contains the information described in division (B) of this section and shall read the advice to the person. **The form shall contain a statement that the form was shown to the person under arrest and read to the person by the arresting officer. One or more persons shall witness the arresting officer's reading of the form, and the witnesses shall certify to this fact by signing the form.** The person must submit to the chemical test or tests, subsequent to the request of the arresting officer, within two hours of the time of the alleged violation and, if the person does not submit to the test or tests within that two-hour time limit, the failure to submit automatically constitutes a refusal to submit to the test or tests.

#### **4511.194 Having physical control of vehicle while under the influence.**

(A) As used in this section: (2) "Physical control" means being in the driver's position of the front seat of a vehicle or in the driver's position of a streetcar or



trackless trolley and having possession of the vehicle's, streetcar's, or trackless trolley's ignition key or other ignition device.

**(B) No person shall be in physical control of a vehicle, streetcar, or trackless trolley if, at the time of the physical control, any of the following apply:**

**(1) The person is under the influence of alcohol, a drug of abuse, or a combination of them .**

**(2) The person's whole blood, blood serum or plasma, **breath**, or urine **contains at least the concentration of alcohol specified in division (A)(1)(b), (c), (d), or (e) of section 4511.19 of the Revised Code.****



# OHIO ADMINISTRATIVE CODE

## Chapter 3701-53 Alcohol Testing

### 3701-53-01 Techniques or methods.

(A) Tests to determine the concentration of alcohol may be applied to blood, breath, urine, or other bodily substances. Results shall be expressed as equivalent to:

(1) Grams by weight of alcohol per one hundred milliliters of whole blood, blood serum or plasma (grams per cent by weight);

(2) Grams by weight of alcohol per two hundred ten liters of deep lung breath;

(3) Grams by weight of alcohol per one hundred milliliters of urine (grams per cent by weight).

(4) Nanograms by weight of a controlled substances or a metabolite or a controlled substance per milliliter of blood, urine, or other bodily substance.

**The results of the tests shall be retained for not less than three years.**

### 3701-53-02 Breath tests.

(A) The instruments listed in this paragraph are approved as evidential breath testing instruments for use in determining whether a person's breath contains a concentration of alcohol prohibited or defined by sections [4511.19](#) , and/or [1547.11](#) of the Revised Code, or any other equivalent statute or local ordinance prescribing a defined or prohibited breath-alcohol concentration. **The approved evidential breath testing instruments are:**

(1) BAC DataMaster, BAC DataMaster K, BAC DataMaster cdm;

(2) Intoxilyzer model 5000 series 66, 68 and 68 EN; and

(3) Intoxilyzer model 8000 (OH-5).



**(C) Breath samples of deep lung (alveolar) air shall be analyzed for purposes of determining whether a person has a prohibited breath alcohol concentration with instruments approved under paragraphs (A) and (B) of this rule.**

**(E) Breath samples using the instrument listed under paragraph (A)(3) of this rule shall be analyzed according to the instrument display for the instrument being used. The results of subject tests shall be retained in a manner prescribed by the director of health and shall be retained in accordance with paragraph (A) of rule [3701-53-01](#) of the Administrative Code.**

### **[3701-53-04 Instrument checks, controls and certifications.](#)**

**(B) Instruments listed under paragraph (A)(3) of rule [3701-53-02](#) of the Administrative Code shall automatically perform a dry gas control using a dry gas standard traceable to the national institute of standards and technology (NIST) before and after every subject test. For purposes of an instrument listed under paragraph (A)(3) of rule [3701-53-02](#) of the Administrative Code, a subject test shall include the collection of two breath samples. A dry gas control is not required between the two breath samples. Dry gas control results are valid when the results are at or within five one-thousandths (0.005) grams per two hundred ten liters of the alcohol concentration on the manufacturer's certificate of analysis for that dry gas standard. A dry gas control result which is outside the range specified in this paragraph will abort the subject test or instrument certification in progress.**

**(C) Representatives of the director shall perform an instrument certification on approved evidential breath testing instruments listed under paragraph (A)(3) of rule [3701-53-02](#) of the Administrative Code using a solution containing ethyl alcohol approved by the director of health according to the instrument display for the instrument being certified. A dry gas control using a dry gas standard traceable to the national institute of standards and technology (NIST) shall also be used when a certification is performed. An instrument shall be certified no less frequently than once every calendar year or when the dry gas standard on the instrument is replaced, whichever comes first. A calendar year means the period of twelve consecutive months, as indicated in section [1.44](#) of the Revised Code, beginning on the first day of January, and ending on the thirty-first day of December. Instrument certifications are valid when the certification results are at or within five one-thousandths grams per two hundred ten liters of the target value for that approved solution. Instruments with certification results outside the range**



specified in this paragraph will require the instrument be removed from service until the instrument is serviced or repaired. Certification results shall be retained in a manner prescribed by the director of health.

(G) Results of instrument checks, controls, certifications, calibration checks and records of service and repairs shall be retained in accordance with paragraph (A) of rule [3701-53-01](#) of the Administrative Code.

### **3701-53-07 Qualifications of personnel.**

(C) **Breath tests used to determine whether a person's breath contains a concentration of alcohol prohibited or defined by sections [4511.19](#) and/or [1547.11](#) of the Revised Code, or any other equivalent statute or local ordinance prescribing a defined or prohibited breath alcohol concentration shall be performed by a senior operator or an operator.** A senior operator shall be responsible for the care, maintenance and instrument checks of the approved evidential breath testing instruments listed in paragraphs (A)(1), (A)(2), and (B) of rule [3701-53-02](#) of the Administrative Code. Representatives of the director shall be responsible for the instrument certifications on approved evidential breath testing instruments listed under paragraph (A)(3) of rule [3701-53-02](#) of the Administrative Code.

(E) **An individual meets the qualifications for an operator's permit by:**

(1) **Being a high school graduate or having passed the "General Education Development Test";**

(2) **Being a certified law enforcement officer sworn to enforce sections [4511.19](#) and/or [1547.11](#) of the Revised Code, or any other equivalent statute or local ordinance prescribing a defined or prohibited breath alcohol concentration, or a certified corrections officer, and;**

(3) **Having demonstrated that he or she can properly operate the evidential breath testing instrument by having successfully completed a basic operator or conversion training course for the type of approved evidential breath testing instrument for which he or she seeks a permit.**



### **3701-53-08 Surveys and proficiency examinations.**

**(D) Individuals desiring to function as operators who apply for or are issued an operator access card under paragraph (C) of rule [3701-53-09](#) of the Administrative Code, shall be subject to a proficiency examination once per calendar year conducted at the director's discretion.**

**(E) During proficiency examinations, senior operators, operators and applicants shall accept samples, perform tests and report all results to a representative of the director or the proficiency examination administered by a national program for proficiency testing. During surveys and proficiency examinations, permit holders, applicants and laboratories shall grant the director's representatives access to all portions of the facility where the permit is used or is intended to be used, and to all records relevant to compliance with the requirements of this chapter.**

### **3701-53-09 Permits.**

**(D) Individuals desiring to function as operators using instruments listed under paragraph (A)(3) of rule [3701-53-02](#) of the Administrative Code shall apply to the director of health for a permit, which shall be in the form of an operator access card, on forms prescribed and provided by the director of health. The director of health shall issue a permit, which shall be in the form of an operator access card, to perform tests to determine the amount of alcohol in a person's breath to individuals who qualify under the applicable provisions, including but not limited to, paragraph (D) and/or (E) of rule [3701-53-07](#) of the Administrative Code.**

**(E) Permits issued under paragraph (D) of this rule shall not expire unless revoked by the director under rule [3701-53-10](#) of the Administrative Code or are voluntarily surrendered. To retain a permit under paragraph (D) of this rule the individual shall present evidence satisfactory to the director that he or she continues to meet the qualifications established by the applicable provisions of rules [3701-53-07](#) and [3701-53-08](#) of the Administrative Code for issuance of the permit sought.**

**(H) An individual may use any and all approved breath testing instruments for which the individual has been issued a permit.**



## **3701-53-10 Revocation, suspension and denial of permits or operator access cards.**

The director of health may deny, suspend or revoke the permit or operator access card of any permit holder or individual:

(A) Who obtains or seeks to obtain a permit or operator access card falsely or deceitfully;

(B) Who fails to comply with any of the provisions of rules [3701-53-01](#) to [3701-53-09](#) of the Administrative Code; or

(C) Who:

(1) As a senior operator, fails to demonstrate that he or she can properly care for, maintain, perform instrument checks upon, and operate the breath testing instrument for which the permit is held;

(2) As an operator, fails to demonstrate that he or she can properly operate the breath testing instrument for which the permit or operator access card is held;

## **Annual Access Card Proficiency**

In order to maintain a valid access card, the card holder must perform either a complete, successful violator (subject) test with a breath alcohol concentration (refusals, time outs, or other incomplete tests do not qualify) OR a complete, successful proficiency test, following guidelines provided by the Alcohol & Drug Testing Program at least once each calendar year (January 1 through December 31). If a complete subject test or proficiency test is not provided, the access card holder is subject to revocation. Refer to Ohio Administrative Code Rules 3701-53-08 (D), 3701-53-09 (E), and 3701-53-10 (B) and (C)(2).

