

DMT Supervisor Training



**VERMONT FORENSIC
LABORATORY**

TOXICOLOGY SECTION

Contact Information



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Course Goals and Objectives



- Understand responsibilities of DMT Supervisor.
- Familiarize you with the components and software protocols of the DMT.
- Supervisors will be able to respond to error messages or conditions.
- Supervisors will be able to perform routine and simple maintenance and repairs.

Access Levels



- **Operator Level - No password required**
 - Administer DUI and Check-In breath tests
 - Copy last breath report generated
- **Supervisor Level – Password required**
 - Access to maintenance protocols via the functions menu
 - Remove/return instrument to service
 - Reprint historical reports
 - Export Data

Supervisor Duties



- Maintain instrument security
- Maintain records and logbook
- Manage DMT supplies
 - Mouthpieces, simulator solution, printer paper and ink
- Monitor Simulator Solution
- Printer Maintenance
- Support DMT Operators
- Perform Basic Maintenance, including SSCs and RPCs
- Communicate with VFL staff regarding DMT questions or concerns

Supervisor Functions

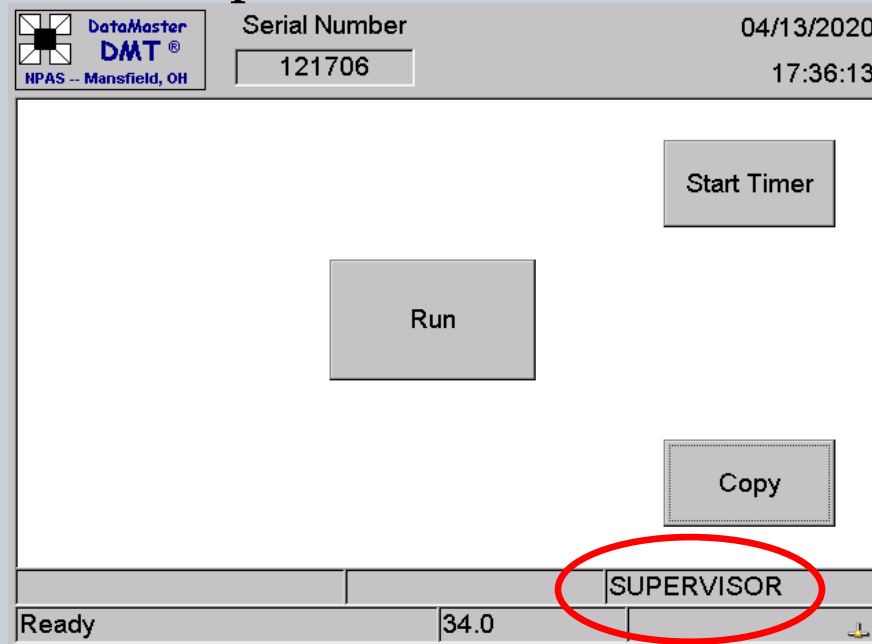


- Logging on and Off
- Reprinting Reports and Providing Updates
- Replacing the Simulator Solution
- Performing the Simulator Solution Change Protocol
- Performing the Routine Performance Check Protocol
- Diagnostic Test
- Accuracy and Precision Check
- View Technician Screen
- Purge Sample Chamber
- Remove from / Return to Service

Log On



- Deactivate the screen saver, if necessary
- Touch the DMT logo in the top left corner of the screen to open the drop-down menu (*options menu*)
- Select “Security” → “Enter Password”
- You will notice “Supervisor” on the bottom of the screen



Log Off



- Open the options menu
- Select “Security” → “Log Off”


Records and Reports



- Reprinting a Subject Breath Test Report
- See Section 8.2 of the DMT Supervisor Manual
 - Open the options menu by touching the DMT logo in the top left
 - Select “Reports”
 - Scroll down to “DUI Subject Tests” on right side of screen
 - Touch the + symbol next to “DUI Subject Tests”
 - Records are sorted by date/time
 - Touch the + symbol next to the date desired
 - The test highlighted on the right will be displayed on the left
 - When the test desired is displayed, press “Print”
 - You will be given the options of printing a paper copy, printing an electronic copy to a USB storage device, or both. Select the printing method desired and press “OK”.

Records and Reports



- Providing record updates
- Email records to dps.dmt@vermont.gov
 - If your DMT **IS** networked 
 - ✦ Photocopies of maintenance log book since previous cycle
 - Maintenance Logbook (Alc 803)
 - If your DMT is **NOT** networked
 - ✦ Manual download of data to USB
 - Email downloaded zip file
 - ✦ Photocopies of maintenance logbook since previous cycle
 - Maintenance Logbook (Alc 803)

Physically Replacing the Simulator Solution



- See Section 9 of the DMT Supervisor Manual
- Ensure you have at **least 45-60 minutes** to complete the solution change
- Gather supplies:
 - Paper towels
 - Fresh, unexpired bottle of solution

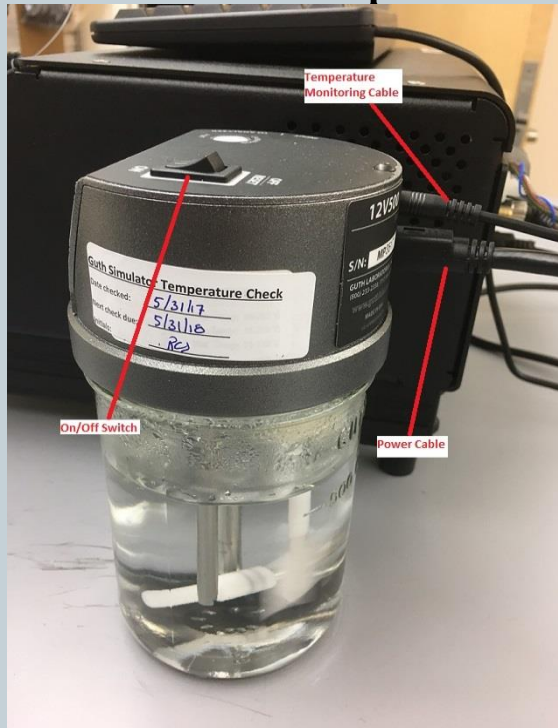
DMT External Std Solution		
Lot:	19-10-100	EtOH Certified Conc. 0.101
Range:	0.096 - 0.106	
Prep Date:	6/17/19	Exp Date: 06/17/20
Opened:		

Expiration Date

Replacing the Simulator Solution



- Turn off and unplug the two cables from the simulator head
- Disconnect the simulator head from the side of the instrument via the quick connects



Replacing the Simulator Solution



- Unscrew the simulator head from the jar and discard current simulator solution.
- Using a paper towel, carefully wipe the simulator head mechanism and jar mostly dry
- Inspect the simulator mechanism, gasket and jar for apparent damage
- Replace the simulator solution
 - Pour carefully and do not ‘glug’ the solution into the jar
- Thread the simulator head to the jar until snug. Do not over tighten

Replacing the Simulator Solution



- Plug the two cables into the simulator head and turn on the power switch
- Reconnect the simulator head to the side of the instrument
- Affix one solution label to the top of the simulator and the other label in the logbook
- Perform either Simulator Solution Change **OR** Routine Performance Check Protocol
 - RPC is **ONLY** done in February, June and October

Routine Performance Check



DataMaster
DMT®
NPAS - Mansfield, OH

Serial Number 06/01/2020
121706 18:11:28

Start Timer

Run

Copy

RPC CHECK NOW DUE

Ready <Push Run> 34.0

- See Section 10 of the DMT Supervisor Manual
- Must be performed every February, June and October
- A reminder will be displayed during the month in which the RPC is due

DataMaster
DMT®
NPAS - Mansfield, OH

Serial Number 07/01/2020
121706 18:26:16

Start Timer

Run

Copy

RPC CHECK REQUIRED!

Ready <Push Run> 34.0

- If the RPC is not completed by the end of the required month, the instrument will automatically be removed from service until a passing RPC is completed

Routine Performance Check Protocol



After changing the simulator solution in the jar:

- Open the options menu
- Select “Protocols” → “Routine Performance Check”
- Input data (name, lot #, etc.) in required fields

The screenshot shows a form titled "DMT External Std Solution" with the following fields and values:

Lot Number	Lot: 20-01-100	EtOH Certified Conc.	0.100	Concentration
	Range:	0.095 - 0.105		
	Prep Date	2/1/20	Exp Date:	02/01/21
Your initials and date opened	Opened:			Expiration Date

Red arrows point from the labels to the corresponding fields: Lot Number to Lot, Concentration to EtOH Certified Conc., Expiration Date to Exp Date, and Your initials and date opened to Opened.

- **Review information for accuracy.** Press Ok
- 30 minute equilibration time...

Routine Performance Check Protocol

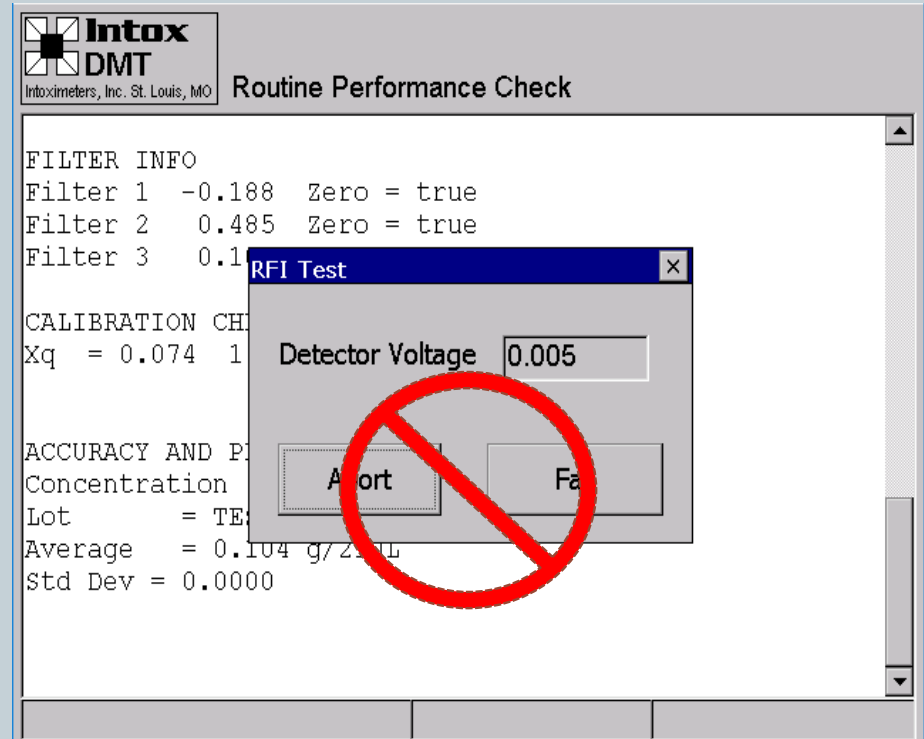


Once the timer is complete, the automated protocol will begin

- **Diagnostic Check**
 - Checks all temperatures, voltages, and mechanical parts to ensure they meet specification
- **Accuracy and Precision Check**
 - 5 samples of the new simulator solution will be analyzed and an average and standard deviation calculated
 - Average must be within +/- 5% to the certified value of the solution
 - Standard deviation must be less than 0.002

RF Test During the RPC

- Radiofrequency Detection Test
 - Nothing should happen
 - ✦ i.e. detector voltage shouldn't jump around (> 0.003), although some fluctuation is normal
 - Handheld radio check
 - ✦ The DMT should beep twice acknowledging it detected RF then move on to the next step
 - ✦ If unsuccessful, you may abort or fail test



Intox DMT
Intoximeters, Inc. St. Louis, MO

Routine Performance Check

FILTER INFO
Filter 1 -0.188 Zero = true
Filter 2 0.485 Zero = true
Filter 3 0.1

CALIBRATION CHECK
Xq = 0.074 1

ACCURACY AND PRECISION
Concentration
Lot = TEST
Average = 0.104 g/210L
Std Dev = 0.0000

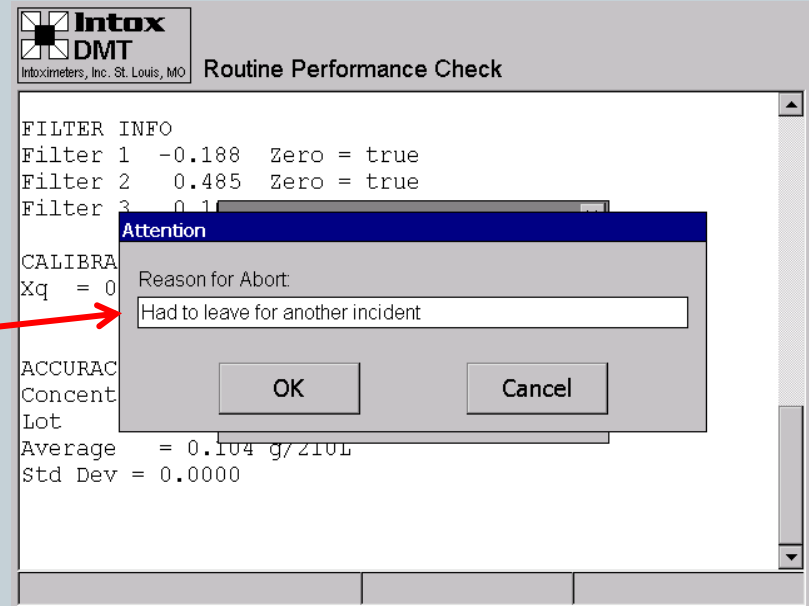
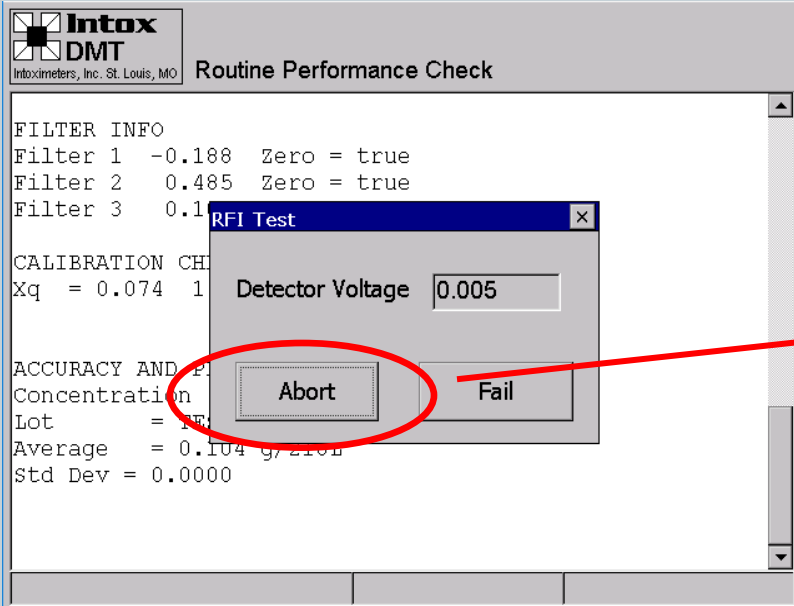
RFI Test

Detector Voltage 0.005

Abort Fail

**DO NOT HIT ABORT OR FAIL
unless you plan to stop the test**

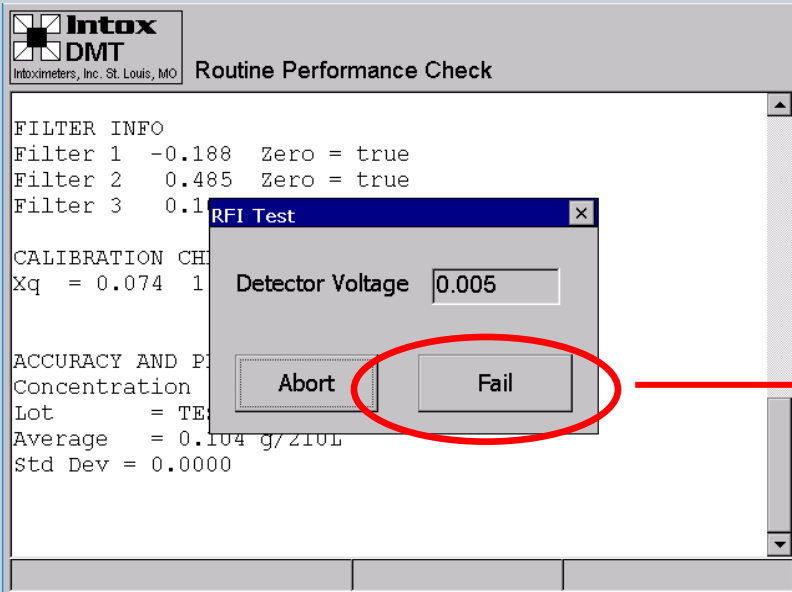
Aborting the RF test



- **Abort**

- If you need to ABORT the test, hit abort and enter the reason why
 - ✦ i.e did not have radio on hand, ran out of time, had to leave for another incident, processing room needed for another incident, needed to answer a call, etc.

Failing the RF test



RF NOT DETECTED

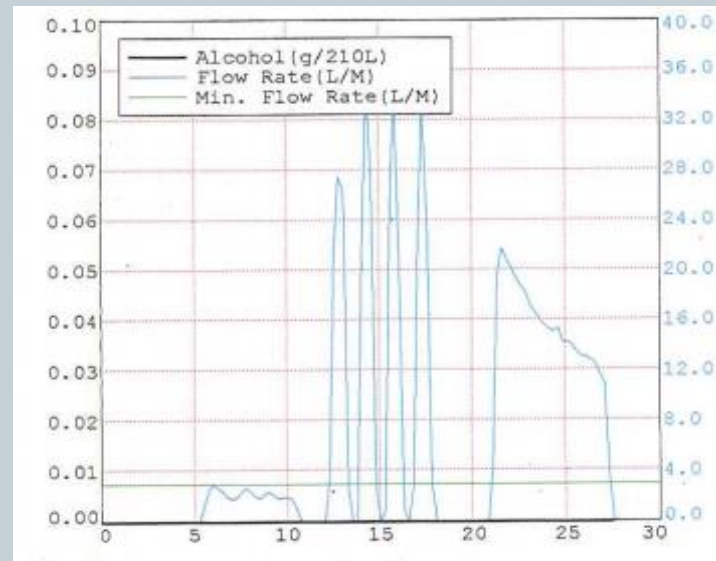
- **Fail**

- If the test FAILS, hit the fail button and the DMT will report “RF NOT DETECTED”
 - ✦ This should be selected when :
 - The DMT does not detect RF when the radio is keyed
 - The detector voltage shifts more than 0.003V and the DMT does not flag RF

RPC - Sample Acceptance Test

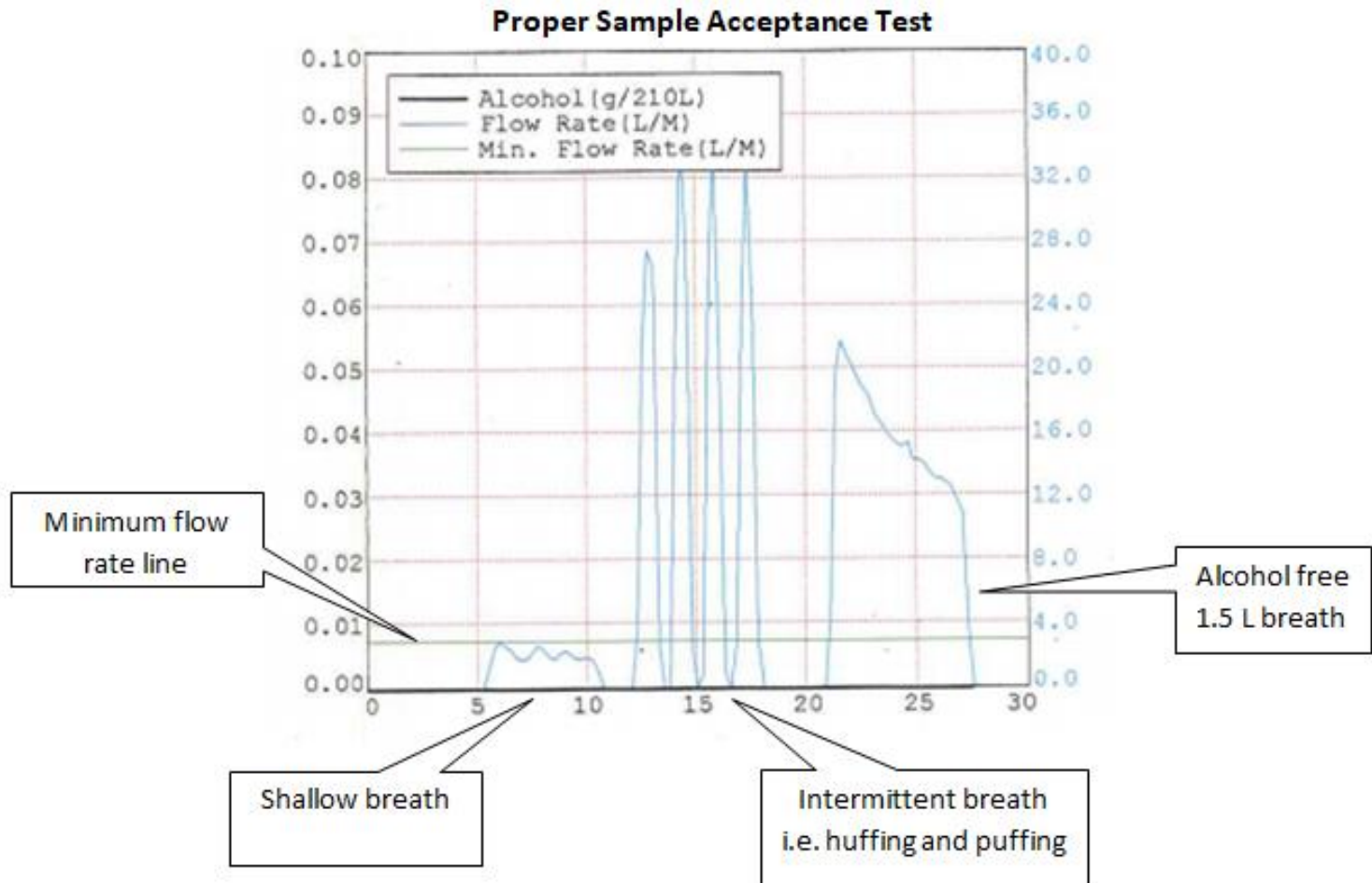


- Sample Acceptance Test
 - Shallow, Intermittent, and ~1.5L Alcohol Free breaths
 - Select Yes or No if Sample Acceptance Test is passing or not
 - **Any rise** in the **black alcohol** line is considered failing
 - If it fails, please indicate why it failed in the pop up box, and attempt again



- Once a passing test is complete, sign in the box then press “Finished”

RPC - Sample Acceptance Test



Sample Acceptance Test Tips



- **Shallow breath**
 - Place mouthpiece between your teeth and leave your mouth slightly open
 - Take a deep breath and when you exhale a large portion of air will escape through sides of your mouth but a small air flow will make it through mouth piece resulting in shallow breath.
 - Try to “ride” the green line for a 2-3 seconds
- **Intermittent breath**
 - Blow 3-4 short, somewhat forceful breaths into mouthpiece
 - ✦ Imagine blowing up a balloon, but very quickly
 - Open your mouth when inhaling between breaths to avoid suck back errors
- **1.5 L alcohol free breath**
 - Take a deep breath and exhale into the instrument with a fairly constant breath flow rate until sample requirements have been meet

ROUTINE PERFORMANCE CHECK REPORT



DataMaster DMT: 121706
Location: VFL
Calibration Date: 08/30/2019
Certification Date: 08/30/2019
Installation Date: 11/06/2019
RPC Date: 01/02/2020
Supervisor Name: SARAH STRATTON

Diagnostic Results

VERSIONS
DMT: 2.06
PIC: 2.08
Modem: 2.6
Questions: 2.1

TEMPERATURES

Sample Chamber = 49.0°C
Breath Tube = 45.6°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.74 V
Cooler Voltage = 1.74 V
Bias Voltage = 80 V
Chopper Freq = 529 Hz

PUMP INFO

Flow Rate = 5.234 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX (V)	-0.0693	-0.0661
MIN (V)	-0.0713	-0.0681

FILTER INFO

Filter 1	-0.068	Zero = true
Filter 2	0.596	Zero = true
Filter 3	0.253	Zero = true

CALIBRATION CHECK

Xq = 0.075 1.98%

Routine Performance Check Passed

Accuracy and Precision Check

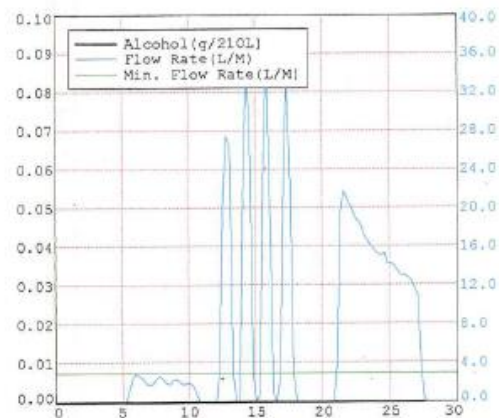
Concentration	= 0.100 g/210L
Lot #	= TEST
Range	= 0.095 - 0.105
Average	= 0.095 g/210L
Std Dev	= 0.0004

RF Detection Test

Passed
RF detected

Sample Acceptance Test

Passed



Performed by

S. S. S.

Date

01/02/2020

Reviewed by

Date

RPC Documentation



- Affix remaining simulator solution label to the Maintenance Logbook. Under the label write “Routine Performance Check” or “RPC”.
- Date and sign where directed

DATAMASTER DMT MAINTENANCE LOG		
Department/Agency		DataMaster DMT Serial Number
DATE	TYPE OF SERVICE PERFORMED	PERFORMED BY (Name and Title)
6/1/18	DMT Simulator Solution [For] Lot # 17-21-100 EtOHaq Certified Conc: 0.100 Range: 0.095 - 0.105 Preparation Date: 09/20/2017 Expires: 09/20/2018 Place Label Here]	Jeff Durette (UFL)
	OPENED: JSD 6/1/18 June RPC	

Simulator Solution Change (SSC) Protocol



- If the solution needs to be changed outside of an RPC month, you may perform a Solution Change Protocol
- Open the options menu
- Select “Protocols” → “Simulator Solution Change”
- Input data (name, lot #, etc.) in required fields
- **Review information for accuracy.** Press Ok
- 30 minute equilibration time...

Simulator Solution Change Protocol



- Once the timer is complete, the instrument will begin an Accuracy and Precision Check
 - 5 analyses of the simulator solution are completed and the average and standard deviation are calculated
 - Average result must be within $\pm 5\%$ of the certified value of the solution. The acceptable range is printed on the solution label
 - Standard deviation must be less than 0.002
 - If either result is not within range, the protocol will automatically fail and DMT will be placed out of service until a successful SSC is performed.

Simulator Solution Change Protocol



- Once a passing test is complete, sign in the box then press “Finished”
- One copy of the Simulator Solution Change Report will print. File with your onsite maintenance records

SOLUTION CHANGE

DataMaster DMT: 121706
Location: VFL
Date: 05/17/2018
Performed by: ROBERT DRISCOLL



Accuracy and Precision Check

Concentration	= 0.100 g/210L
Lot #	= 18-05-100
Range	= 0.095 - 0.105
Average	= 0.099 g/210L
Std Dev	= 0.0000

Simulator Temperature: 34.0°C

Performed by *RD*

Date 05/17/2018

Simulator Solution Change Protocol



- Affix remaining simulator solution label to the Maintenance Logbook. Under the label write “Sim Solution Change” or “SSC”.
- Date and sign where directed

DATAMASTER DMT MAINTENANCE LOG

Department/Agency _____ DataMaster DMT Serial Number _____

DATE	TYPE OF SERVICE PERFORMED	PERFORMED BY (Name and Title)
6/1/18	DMT Simulator Solution [For] Lot # 17-21-100 EtOHaq Certified Conc: 0.100 Range: 0.095 - 0.105 Preparation Date: 09/20/2017 Expires: 09/20/2018 Place Label Here] OPENED: JSD 6/1/18	Jeff Durette (UFL)
	Sim solution change	

RPC vs SSC



DataMaster DMT
NPAS -- Mansfield, OH

Serial Number 06/01/2020
121706 18:11:28

Start Timer

Run

Copy

RPC CHECK NOW DUE

Ready <Push Run> 34.0

- Routine Performance Check (RPC)
 - Must be performed every February, June and October (or 15 days prior)
 - A reminder will be displayed during the month in which the RPC is due
 - Includes diagnostic check, accuracy and precision check, RFI test, and sample acceptance
- Simulator Solution Change (SSC)
 - Performed when solution needs to be changed outside of RPC month
 - Accuracy and precision check only

Lot Number

Your initials and date

DMT External Std Solution			
Lot:	19-10-100	EtOH Certified Conc.	0.101
Range:	0.096 - 0.106		
Prep Date:	6/17/19	Exp Date:	06/17/20
Opened:			

Concentration

- Enter relevant data into DMT
- DO NOT need to do both

Diagnostic Test



- See Section 8.5 of the DMT Supervisor Manual
- Test is often used during troubleshooting
- The instrument checks software, hardware, temperatures, optics and mechanical function
- To perform a diagnostic test:
 - Open the options menu
 - Select “Diagnostic”
 - After analysis, a report will print detailing results
- Note: These are also automatically run on the 1st and 15th of every month as a tool for the lab.

DIAGNOSTIC RESULT

DataMaster DMT: 121706
Location:
Calibration Date: 01/30/2020
Certification Date: 02/06/2020
Installation Date:
Test Date: 02/15/2020
Test Time: 10:00:02



VERSIONS
DMT: 2.06
PIC: 2.08
Modem: 2.6
Questions: 2.1

TEMPERATURES

Sample Chamber = 48.6°C
Breath Tube = 46.8°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.74 V
Cooler Voltage = 1.74 V
Bias Voltage = 80 V
Chopper Freq = 530 Hz

PUMP INFO

Flow Rate = 5.311 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX (V)	0.0384	0.0419
MIN (V)	0.0362	0.0394

FILTER INFO

Filter 1	0.040	Zero = true
Filter 2	0.691	Zero = true
Filter 3	0.350	Zero = true

CALIBRATION CHECK

Xq = 0.074 1.14%

Accuracy and Precision Check



- See Section 8.6 of the DMT Supervisor Manual
- Test is often used during troubleshooting
- The DMT will run 10 replicate samples of the simulator vapor and report the average and standard deviation
- To perform an Accuracy and Precision check:
 - Open the options menu
 - Select “Accuracy and Precision”
 - Input data (name, lot #, etc.) in required fields
 - Press Ok
 - After analysis, a report will print detailing results
- This will NOT reassign the lot number or target value of the simulator solution



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMaster DMT: 121706

Location: VFL

Date: 01/13/2020

Time: 15:20:39

SUPERVISOR NAME:

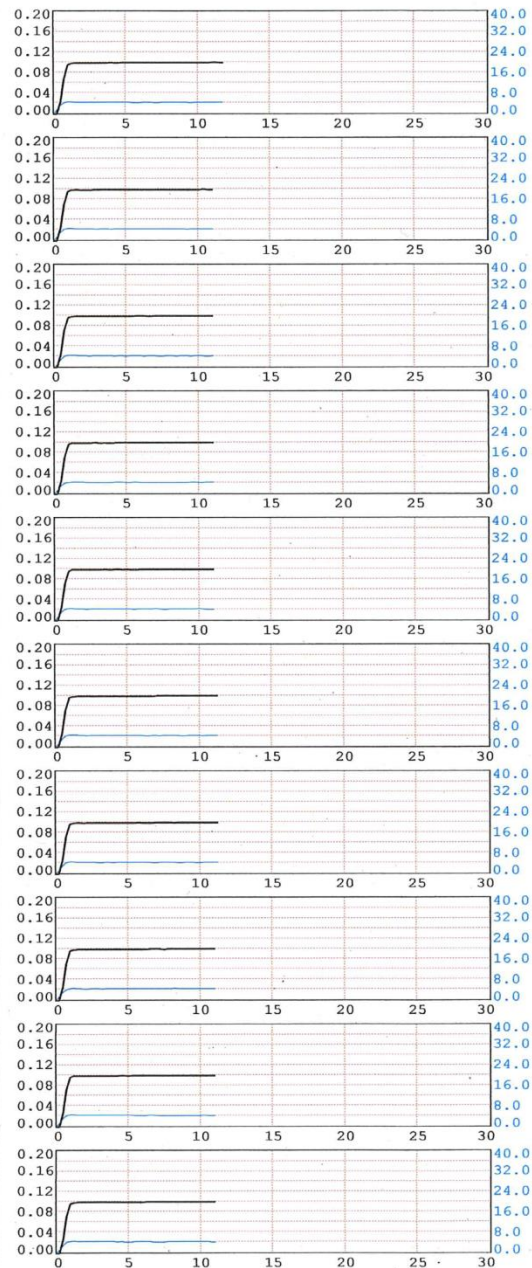
SARAH STRATTON

SOLUTION LOT #: TEST

SOLUTION CONCENTRATION: 0.100

BLANK TEST	0.000	15:21
CALIBRATION CHECK	PASSED	15:21
SIMULATOR VAPOR 34.0°C	0.100	15:21
SIMULATOR VAPOR 34.0°C	0.099	15:22
SIMULATOR VAPOR 34.0°C	0.099	15:24
SIMULATOR VAPOR 34.0°C	0.100	15:25
SIMULATOR VAPOR 34.0°C	0.100	15:26
SIMULATOR VAPOR 34.0°C	0.099	15:27
SIMULATOR VAPOR 34.0°C	0.099	15:28
SIMULATOR VAPOR 34.0°C	0.099	15:29
SIMULATOR VAPOR 34.0°C	0.099	15:30
SIMULATOR VAPOR 34.0°C	0.099	15:31
BLANK TEST	0.000	15:32

Average = 0.099
Std Dev = 0.0004



Technician Screen



- See Section 8.7 of the DMT Supervisor Manual
- As a method for troubleshooting, VFL staff may request you access the TECH screen and relay information
- The technician screen displays voltages, temperatures, and filter readings for the instrument.

- To access the TECH screen:
 - Open the options menu
 - Select “Technician Mode”

RF Sensitivity

Set

-

+

Save

On/Off

Chopper

Pump

Sim. Valve

Gas Valve

Gas Valve 2

Stepper

Filter 1

Filter 1 + Quartz

Filter 2

Filter 2 + Quartz

Filter 3

Filter 3 + Quartz

Settings

Plot

Temperatures (°C)

Sample Cell: 48.9

Sim. Hose:

Breath Tube: 41.7

Sim. Temp: 34.0

Barometer (mbar)

Current:

Set

Volume (Ltr)

Clear

0.00

Settings

Lamp: 1.74

Save

Bias: 80

Save

Cooler: 1.74

Save

Chopper: 521

Save

Voltages (V)

Flow: 1.03

Detector: -0.175

Print

Exit

Purge Sample Chamber



- See Section 8.8 of the DMT Supervisor Manual
- Function is often used during troubleshooting
- The instrument will draw fresh air through the breath tube and into the sample chamber
- To purge:
 - Open the options menu
 - Select “Functions” → “Purge Sample Chamber”
 - Allow the instrument to purge for 1-2 minutes unless otherwise instructed

Remove From Service



- See Section 8.9 of the DMT Supervisor Manual
- Open the options menu
- Select “Functions” → “Remove From Service”
- The screen will display “Out of Service” instead of “Ready, Push Run”

- Note: You will need to return the instrument to service to perform any protocols

Return to Service

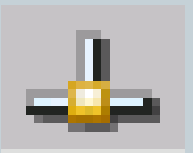


- Open the options menu
- Select “Functions” → “Return To Service”
- The screen will now display “Ready, Push Run”

Connectivity Issues



- Instrument displays “Busy please wait” and the message lasts longer than ~30 seconds
- Power off the DMT, wait 10-15 seconds, and turn the DMT back on
- The DMT will take ~5 minutes to reboot. Verify the instrument says “Ready, push, run” and that connectivity has been re-established by viewing the icon in the lower right hand corner



Simulator errors



- Simulator reads 0.0 ° C on the DMT
 - Indicates a bad connection
 - Disconnect small cord from back of simulator and back of DMT. Plug cords back in and see if connection is re-established
 - If connection is not restored
 - ✦ Remove cords again and power off simulator and DMT
 - ✦ Plug cords back in
 - ✦ Power on simulator then power on the DMT
- Simulator displays “Status Code: X” (1-9)
 - Take a picture of the simulator or record the exact message displayed on the simulator
 - Toggle the simulator power and see if error message goes away
 - If not, *power off* the simulator and contact VFL immediately

Printer Maintenance



- Each agency is responsible for supplying ink and paper for the printer
- If the DMT displays “Printing” but nothing happens
 - Ensure the printer is on
 - Ensure the ink/paper are full
 - Check the USB cable connection at the DMT and the printer ports
 - Give it a minute (or 10 minutes). Sometimes the printer heads reset and need to go through a realignment

Printer Maintenance



- If the DMT loses communication to the printer, it may be necessary to reboot the DMT to reestablish communication
 - FIRST, turn the DMT off
 - SECOND, ensure the printer is on, properly connected, and free from any errors
 - THIRD, turn the DMT back on
- Press the copy button to check to see if communication has been restored

Printer Maintenance



- When you plug in a printer, a message should pop up saying

Unidentified USB Device

Enter the name of the driver for this USB Device

Driver name: _____

- **DO NOT ENTER ANYTHING IN THIS FIELD OR HIT OK.**
- This will cause the DMT to look for something that isn't there.
- You can either hit the small x in the top right hand corner or just ignore this message and it will eventually go away.
- Only click the x or ignore entirely.

Troubleshooting



- DMT Quick Troubleshooting Guide should be available near all DMTs.
 - MAKE VISIBLE FOR OFFICERS!
- **All** actions taken to remedy a situation should be documented in your Maintenance Logbook
- Contact VFL Toxicology Section if you encounter recurring error messages or conditions, even if you fix them

DPS.DMT@vermont.gov

DMT Quick Troubleshooting Guide


Blank Error or Ambient Fail

The DMT is detecting apparent alcohol in the room air

- Remove mouthpiece from DMT and move the subject away from the DMT and draw fresh air into the room by opening a door or turning on a fan
- Ensure there are no external sources of alcohol in the processing room (e.g. hand sanitizer, cleaning reagents, alcohol prep pads, etc)

BUSY - Please Wait

DMT froze while attempting to upload records to the server

- Allow ~1 minute for this message to go away. Do not push any buttons or attempt to run tests on the DMT when this message is displayed.
- If the error persists for longer than 1 minute, power off the DMT using the switch on the back and wait ~30 seconds. Turn the DMT back on. Wait the required ~5 minutes for the DMT to boot up without pushing any buttons or initiating a test
- Verify connection is restored by observing a  symbol in the lower right hand corner of screen

Incomplete

The subject did not provide an adequate sample in the allotted time

- Instruct the subject in the proper technique (deep breath, create tight seal with their lips, and continue to blow a long, continuous breath)
- Allow subject to try the test again. There are three 2-minute windows to provide a sample followed by QC checks and then three additional 2-minute windows
- INCAPABLE - Subject physically *cannot* provide an adequate sample. You may request a blood sample
- REFUSAL - Subject *will not* provide an adequate sample. Based on *your* experience, you may deem this a refusal and proceed as such

Interference

There may be something other than ethanol in the sample

- You DO NOT need to observe another 15 minute observation period
- Allow subject to provide another sample.
- If you get INTERFERENCE again, you may request a blood sample

Invalid

Subject breath profile did not meet sample acceptance criteria

- Restart the 15 minute observation period. Ensure the mouth is free from foreign objects.
- Instruct the subject in the proper technique for providing a sample (deep breath, create tight seal with their lips, and continue to blow a steady, continuous breath)
- Allow subject to provide another sample
- NOTE: Huffing and puffing may cause invalid sample results. Ensure subject provides proper breath sample

Printer Error

The connection between the DMT and printer has been broken

- **IN THIS ORDER:**
- Ensure the printer is plugged in to the wall and the cord connections between the DMT and printer are secure
- Verify the printer is ready (i.e. paper and ink supply are good and there are no error lights present)
- Power off the DMT using the switch on the back and wait ~30 seconds. Turn the DMT back on
- A message will pop up looking for a USB driver. Click the "x" in the top right corner or ignore this message. DO NOT enter anything into this box
- Once the DMT is back online, press copy to verify printer function. This will print a copy of the most recent DMT test ticket

Pump Error

Air flow through the DMT is restricted

- Most commonly occurs when a mouth piece is put on too early or left on after a breath test
- Verify there is not a mouthpiece in the breath tube and visually check the end of the breath tube to ensure there are no obstructions

RF Detected

Radiofrequency was detected during the testing sequence

- Ensure any radio transmitters in and around the processing area are turned off and try test again

Simulator Out of Range

The simulator vapor concentration is not within 5% of the target

- Move the subject away from the DMT and try the test again
- If the simulator vapor is still out of range, move on to another agency

Simulator Temp Unknown

Simulator temperature is not being read by the DMT correctly

- Ensure the the cord connecting the DMT and the simulator is connected and secure
- Power off the simulator using the switch on top of the simulator and turn it back on
- Power off the DMT using the switch on the back and wait ~30 seconds. Turn the DMT back on. If connection is not restored, go to another agency.

Please notify your DMT supervisor regarding any errors obtained. Be as detailed as possible when relaying information

Primary DMT Supervisor:

Road Officer Training



- Gender options
 - M, F, X
- Agency drop down list
 - Populated with suggestive text like Google
 - Please SELECT agency using stylus
- Green line
 - Indicates minimum flow rate. Subject breath flow rate must be above this line.
 - There is no change to acceptance criteria, but officers should understand why this line is present

Data Entry Change



- Data entry
 - “Officer” info instead “Operator” info
 - “Incident” time vs “oper.” time

Subject Information

Name (F/M /L)

Date of Birth Age Gender

License # State Guardian

Incident Information

Case Incident Time

Test Reason

Stop Location

Town County

Officer Information

Name (F/M /L)

Agency VTC #

Cancel OK

Starting the Observation Period

- Prompts officer to check for objects prior to observation period
 - DMT Operator Manual
 - Visually observe the subject for any evidence of food, gum, tobacco or any other foreign matter in the mouth. Ask the subject if he/she has anything in their mouth. Anything in the mouth must be removed prior to starting the next step. Tongue piercings and dentures may remain in the mouth.
 - The DataMaster DMT is programmed with a mandatory 15 minute timer for the observation period. The 15 minute timer must be satisfied before a subject test is allowed. Press the “START TIMER” button to start the timer.
 - Observe the subject for 15 uninterrupted minutes. The subject must be within visual and audio proximity for the entire 15 minutes preceding the test. If at any time the subject burps, belches, or vomits, the observation period must be restarted. If at any time the subject puts something into or removes something from their mouth, the item must be removed and the observation period restarted.



Place of Last Drink (POLD)



- Place of Last Drink (POLD)
 - Read carefully
 - Yes or no question for the OFFICER
 - NOT a question to ask the subject

The screenshot displays the Intox DMT software interface. The main window is titled "DUI Subject Test" and contains the following text:

Intox DMT
Intoximeters, Inc. St. Louis, MO

JEFFERY DUKETTE
AGENCY: VFL

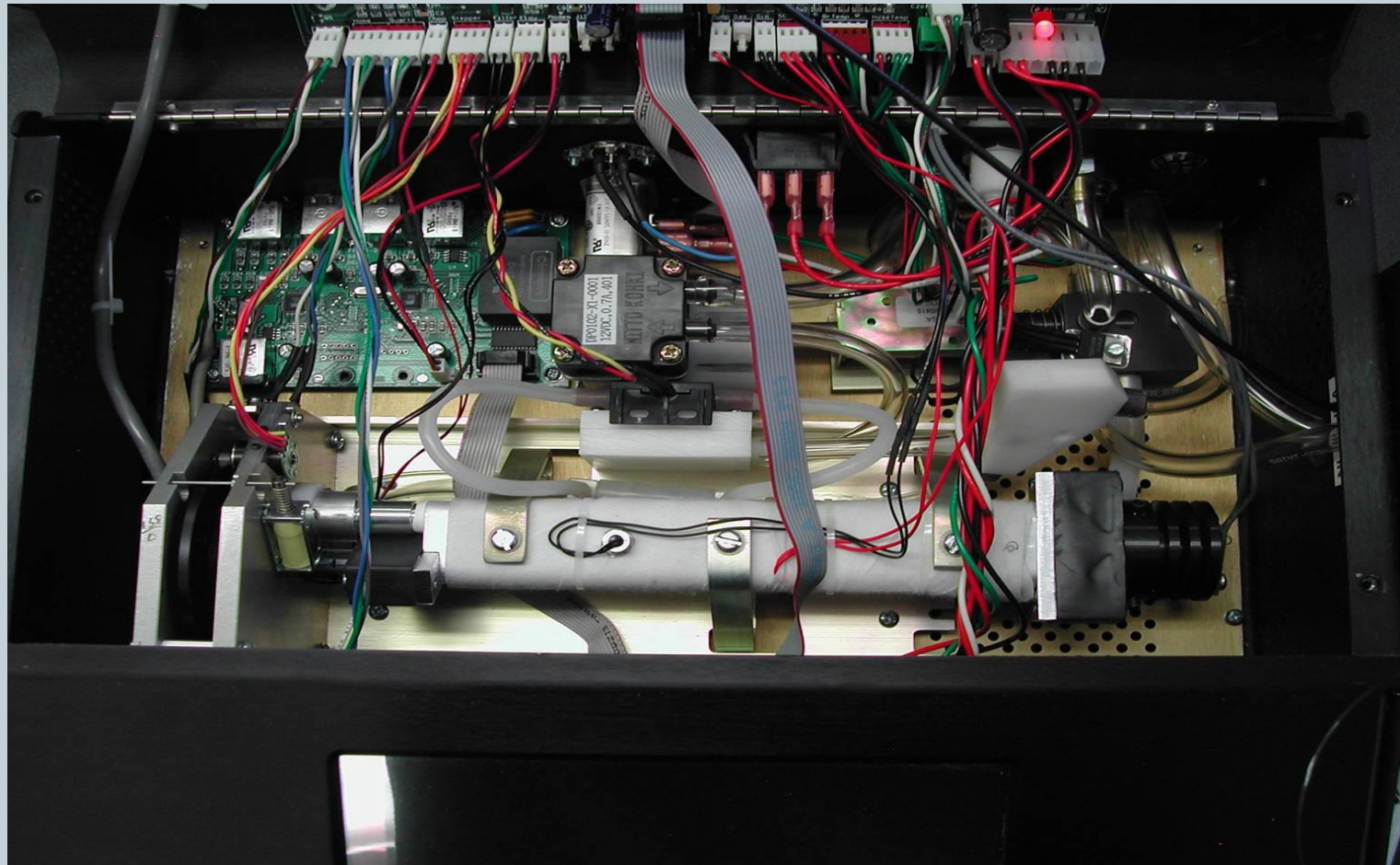
Obs. Period Starts: 17:40

BLANK TEST
CALIBRATION
SIMULATOR
BLANK TEST
SUBJECT S

All alcohol
Sim. Vapor
Sim. Vapor Range 0.095 - 0.105
Lot #: TEST

An "Attention" dialog box is overlaid on the main window, containing the question: "Did your investigation determine that the place of last drink for this arrest was a licensed liquor establishment or permitted event?" with "Yes" and "No" buttons.

Questions and Practical Exercises



Self Assessment



- Please complete the DMT Supervisor Training Self Assessment
- You may use your handouts, notes and training manual

Self Assessment Write-In Answers



- During which months are Routine Performance Checks required?
 - February, June, and October
- What is the acceptable concentration range for the simulator solution?
 - $\pm 5\%$ of the certified value
- If the simulator temperature reads 0.0°C , what should you check?
 - Check the cords attached to the simulator and DMT. Connect/Reconnect
- During a subject test the instrument reports “Simulator Out of Range”, what is the likely cause and what should you do?
 - Alcohol depletion/evaporation. Perform an SSC or RPC

Self Assessment Multiple Choice Answers



- If there is a rise in the black line during a sample acceptance test, you should:
 - Change the simulator solution.
 - Do nothing, this is supposed to happen.
 - Open the instrument and check for loose wires.
 - Ensure there are no contamination sources near the instrument and attempt the test again.
- When should the simulator solution be replaced?
 - Every time an RPC is performed.
 - When an officer reports that the simulator vapor is outside the acceptance criteria.
 - When the simulator vapor concentration is trending low and you anticipate a busy period of time for DMT use, such as a holiday weekend.
 - All of the above.

Self Assessment True/False Answers



- All law enforcement officers are allowed to perform maintenance on the DMT
 - FALSE, that's why you are here today
- The DMT will not function if the breath tube is cold.
 - TRUE, the DMT checks it's heated zones
- You should perform a Simulator Solution Change (SSC) protocol every time the simulator solution is replaced.
 - FALSE, the solution is changed as part of the RPC!!
- The DMT will display “Out of Paper” if the printer is out of paper.
 - FALSE, the DMT does not display this type of error