



DMT Technical Support Inquiry

DMT Serial #: 100140
Agency/Site: Bradford VSP
Date: 11/23/2020
DMT Supervisor: Sean Brennan

Problem:

An officer reported that the DMT had been damaged by a detainee. VFL staff responded and discovered that the simulator quick connects were broken. This damage was consistent with the photos provided by the officer.

Work Performed:

The male quick connects for the simulator were broken and were replaced. One had broken off inside one of the female quick connects so that was also replaced. The simulator was checked to ensure there was no other damage. The interior of the DMT was checked and there was no evidence of simulator solution having spilled into the tubing. The connections were secure. Ran 8 filter wheel cycles without error. The DMT was purged for just over a minute with no significant changes to the filter voltages over this time frame. Ran a diagnostic and found it was consistent with prior diagnostics. Ran an accuracy and precision check (n=5) to check the sim solution. Ran a check-in with no errors. DMT was returned to service.

Performed On Site
Performed In house

Performed By: Sarah Stratton *SSS*

Date: 11/23/2020

Technical Reviewer: *[Signature]*

Date: 11/24/2020

Administrative Reviewer: *[Signature]*

Date: 11/24/20

Director Reviewer: *[Signature]*

Date: 11/24/2020

DIAGNOSTIC RESULT



DataMaster DMT: 100140
Location: BRADFORD VSP
Calibration Date: 04/12/2017
Certification Date: 04/12/2017
Installation Date: 04/13/2017
Test Date: 11/23/2020
Test Time: 13:12:24

VERSIONS

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

TEMPERATURES

Sample Chamber = 49.1°C
Breath Tube = 44.2°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.59 V
Cooler Voltage = 1.55 V
Bias Voltage = 80 V
Chopper Freq = 526 Hz

PUMP INFO

Flow Rate = 5.753 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX (V)	0.3541	0.3579
MIN (V)	0.3524	0.3565

FILTER INFO

Filter 1	0.358	Zero = true
Filter 2	0.712	Zero = true
Filter 3	1.251	Zero = true

CALIBRATION CHECK

Xq = 0.079 0.44%



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMaster DMT: 100140
 Location: BRADFORD VSP

Date: 11/23/2020
 Time: 13:19:19

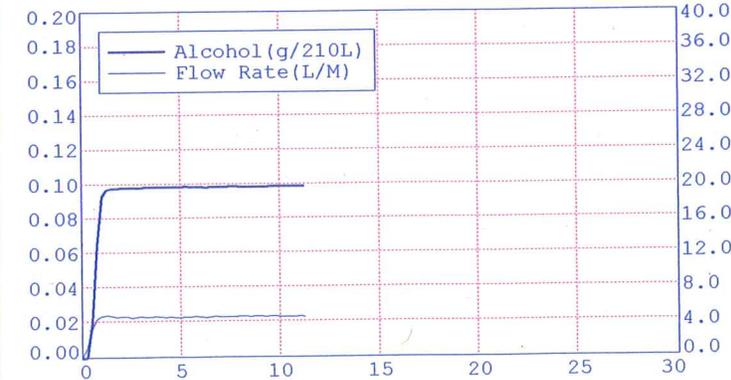
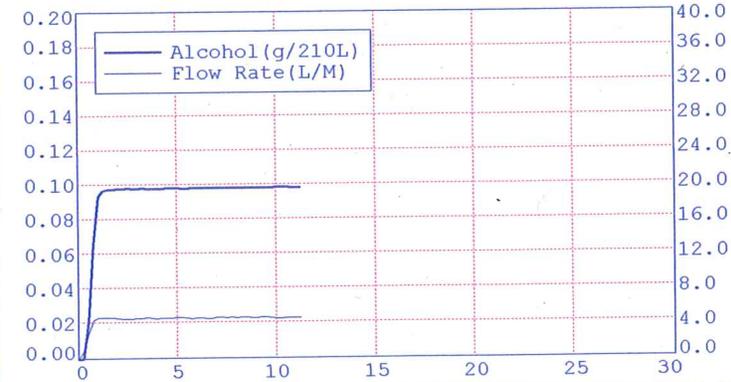
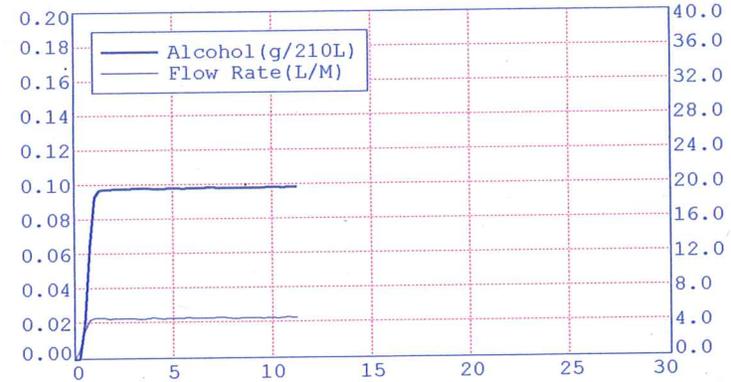
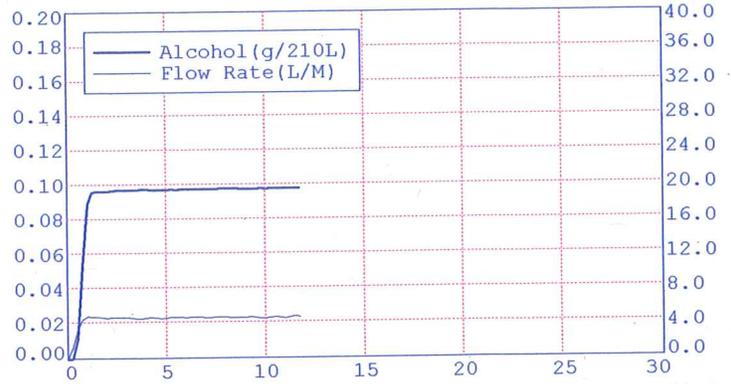
SUPERVISOR NAME:
 SARAH STRATTON

SOLUTION LOT #: 20-10-100
 SOLUTION CONCENTRATION: 0.101

BLANK TEST	0.000	13:20
CALIBRATION CHECK	PASSED	13:20
SIMULATOR VAPOR 34.0°C	0.098	13:20
SIMULATOR VAPOR 34.0°C	0.098	13:21
SIMULATOR VAPOR 34.0°C	0.099	13:22
SIMULATOR VAPOR 34.0°C	0.098	13:23
SIMULATOR VAPOR 34.0°C	0.099	13:24
BLANK TEST	0.000	13:25

Average = 0.098
 Std Dev = 0.0005

*Ran 5 replicates instead of the typical 10.
 SJS 11/23/2020*





CHECK-IN CONFIRMATION TEST

STATE OF VERMONT

DataMaster DMT: 100140
Location: BRADFORD VSP
Certification Date: 04/12/2017
Installation Date: 04/13/2017

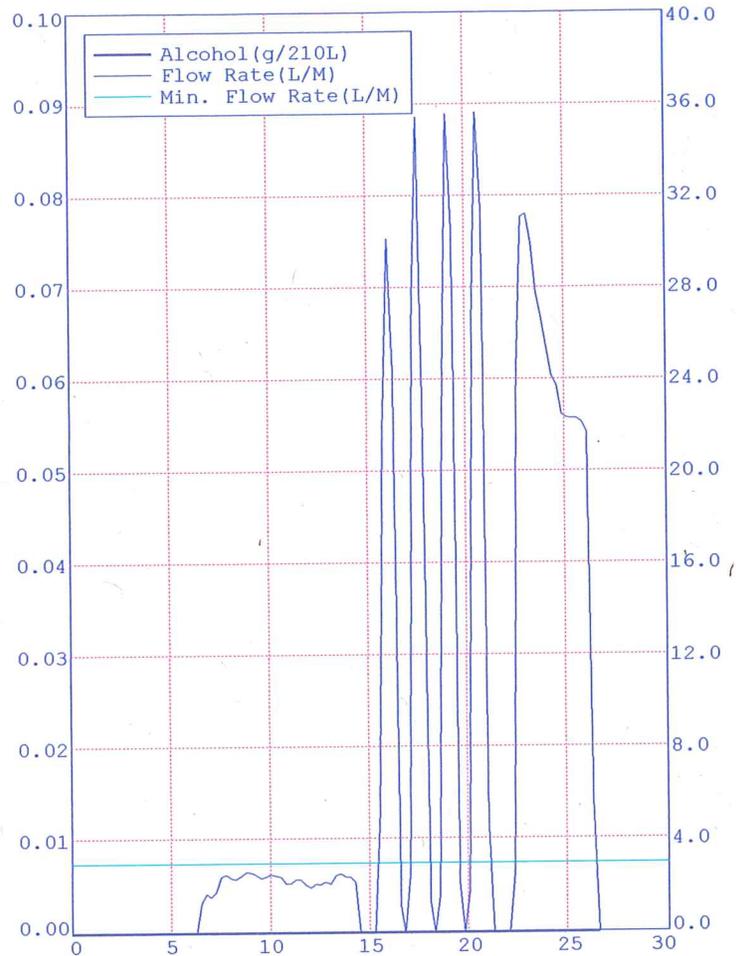
Date: 11/23/2020
Time: 13:29:44

SUBJECT NAME:
TEST TEST
DOB: 01/01/1990 AGE: 30
GENDER: F

TEST OFFICER NAME:
SARAH STRATTON
AGENCY: VFL

BLANK TEST	0.000	13:30
CALIBRATION CHECK	PASSED	13:30
Xq = 0.079 (0.44%)		
SIMULATOR VAPOR 34.0°C	0.099	13:31
X[1] = 0.0993 (-0.0010) (-0.0003)		
SUBJECT SAMPLE (Vol=1.6L)	0.000	13:31
X[1] = 0.0000 (-0.0011) (0.0000)		
BLANK TEST	0.000	13:32

All alcohol values reported in g/210L
Sim. Vapor Concentration 0.101
Sim. Vapor Range 0.096 - 0.106
Lot #: 20-10-100



RE: DMT Bradford Outpost

Johnson, Evan <Evan.Johnson@vermont.gov>

Sun 2020-11-22 10:00 PM

To: DPS - DMT <DPS.DMT@vermont.gov>

📎 5 attachments (11 MB)

IMG_0338.jpg; IMG_0340.jpg; IMG_0341.jpg; IMG_0335.jpg; IMG_0337.jpg;

Hi Jeff,

While the detainee was in the processing room he kicked the DMT. As you can see in the photos, there is a small plastic piece that appeared to be broken off where the fluid vessel connects to the computer part of the machine (apologies for the lack of correct terminology). I was not in the room at the time, but did pull the video and he clearly kicked the machine, causing it to slide across the counter. If you provide your mailing address I can send a copy of the video.

Thanks,

Trooper Evan Johnson
Vermont State Police
St. Johnsbury Barracks
Phone: 802-748-3111
Fax: 802-748-1585

From: DPS - DMT <DPS.DMT@vermont.gov>
Sent: Sunday, November 22, 2020 8:05 PM
To: Johnson, Evan <Evan.Johnson@vermont.gov>
Subject: Re: DMT Bradford Outpost

Evan,

It all depends on the type and extent of damage. This is the first I'm hearing about it. Can you please describe what happened and send some pictures? If possible, we would also like a copy of the processing video so we can determine whether any damage is external or if the DMT may require additional maintenance due to impact, etc. There are a lot of internal components that could be moved around if impact was significant enough. Depending on what happened, we may need to make a trip out there to assess. Let's start with a description and some pictures.

Thanks,

Jeff

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From: Johnson, Evan <Evan.Johnson@vermont.gov>
Sent: Sunday, November 22, 2020 7:55:47 PM
To: DPS - DMT <DPS.DMT@vermont.gov>
Subject: DMT Bradford Outpost

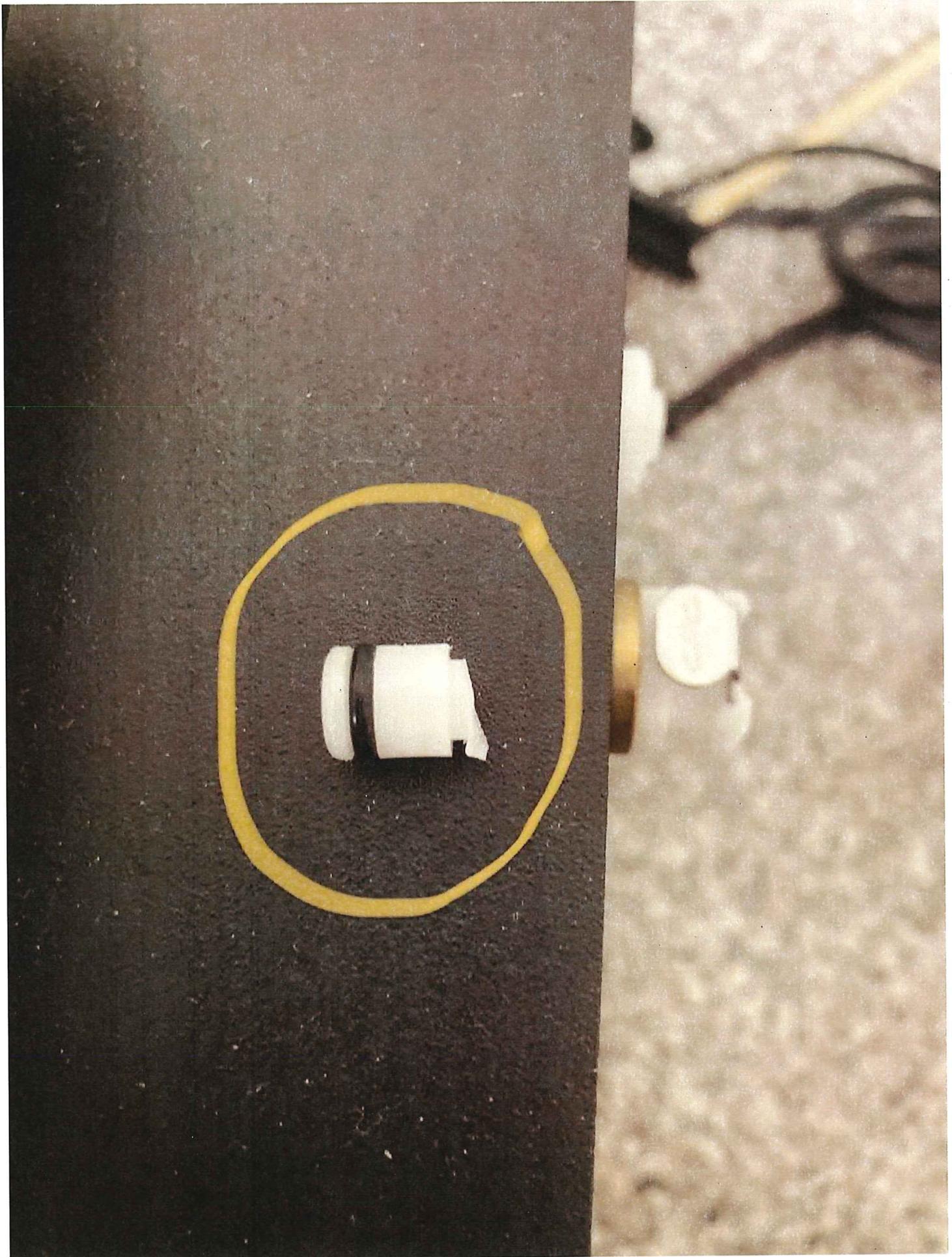
Good evening,

This is Trooper Evan Johnson out of the St. Johnsbury Barracks. Recently, a detainee damaged the DMT in the processing room at the Bradford Outpost. In order to charge the individual with Unlawful Mischief, I need to know the dollar amount of damage that was done to the machine. If I sent over photos of the damage would you be able to provide a dollar estimate for repairs? Any information you can provide would be helpful.

Thank you!

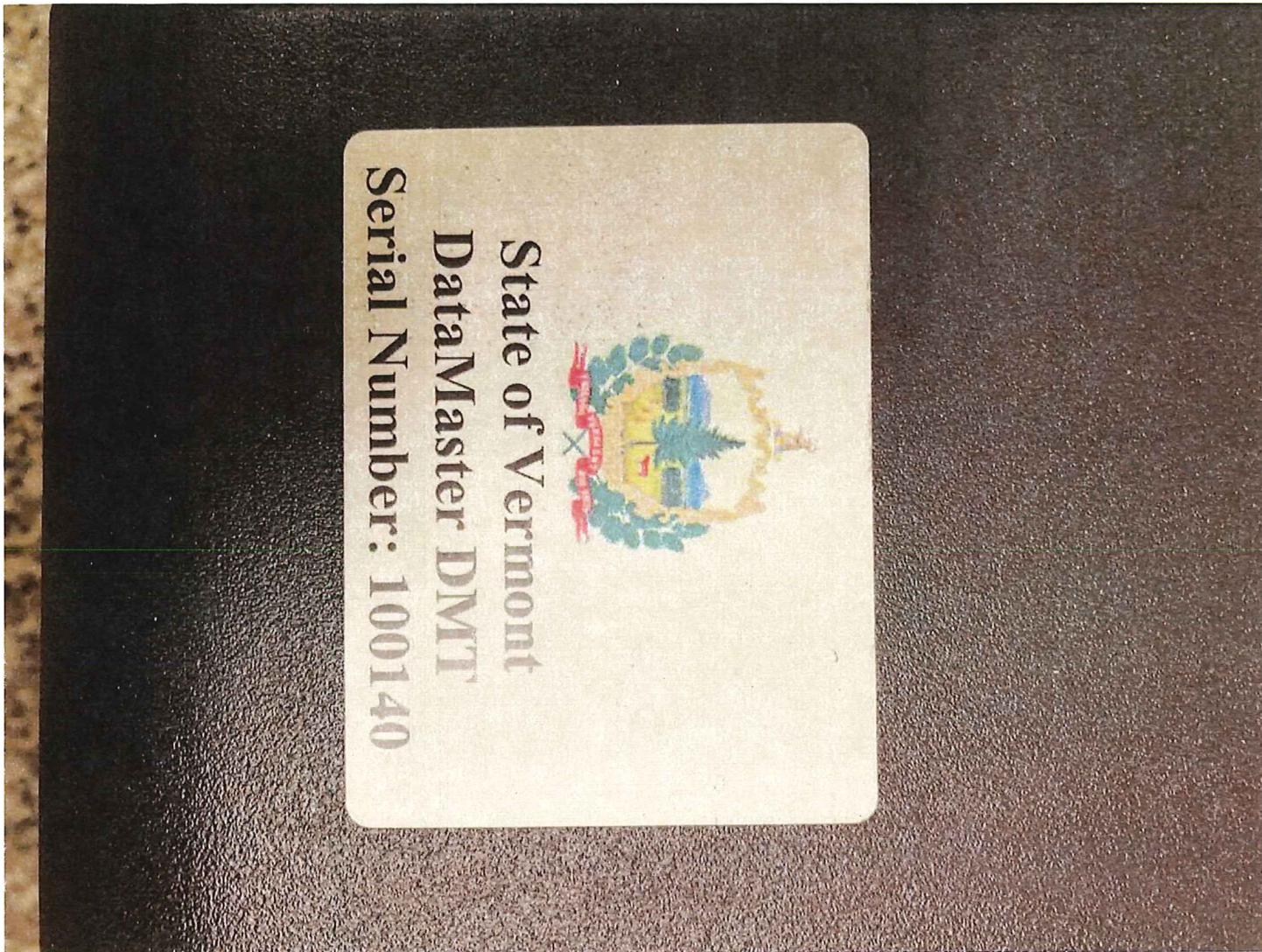
Trooper Evan Johnson
Vermont State Police
St. Johnsbury Barracks
Phone: 802-748-3111
Fax: 802-748-1585

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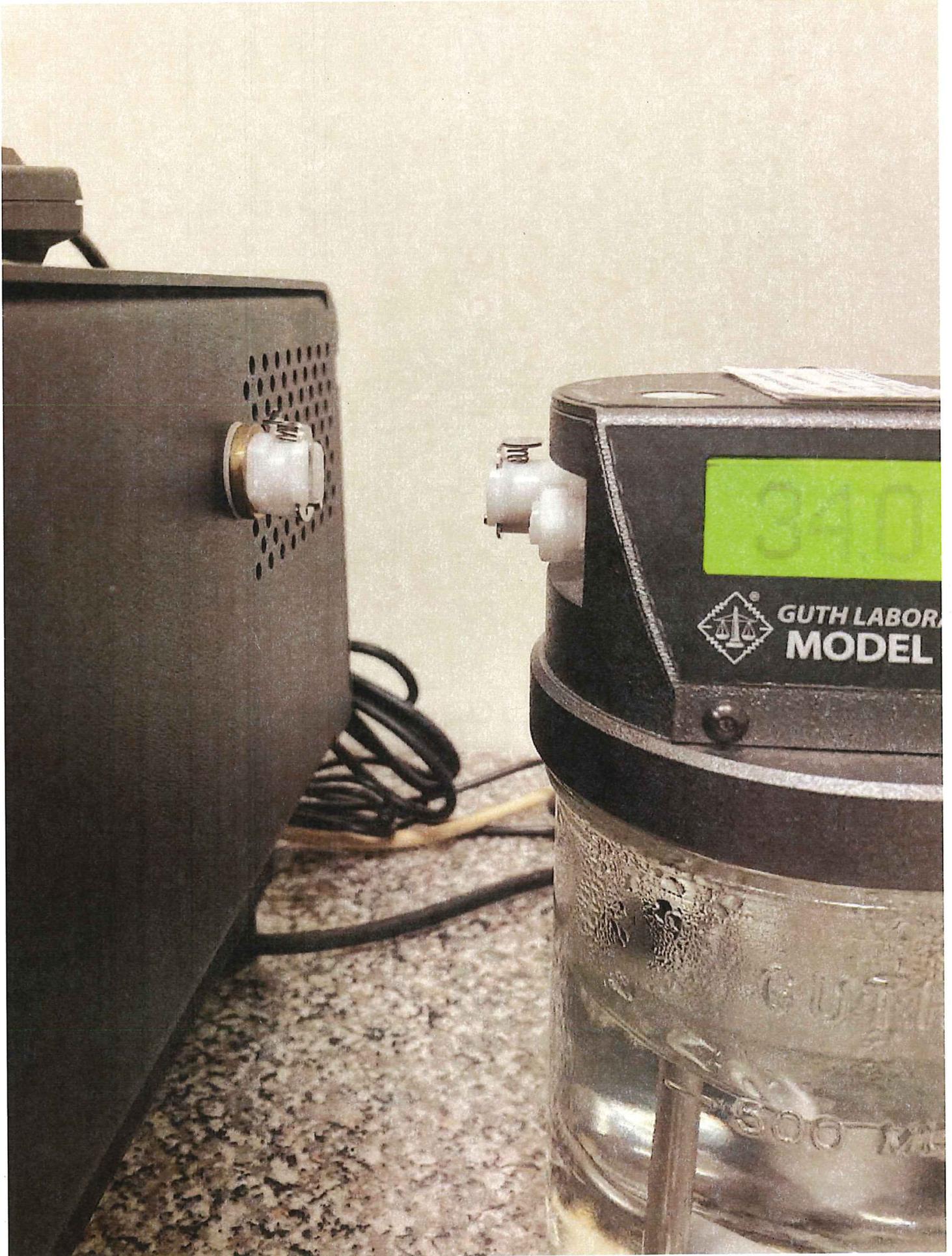
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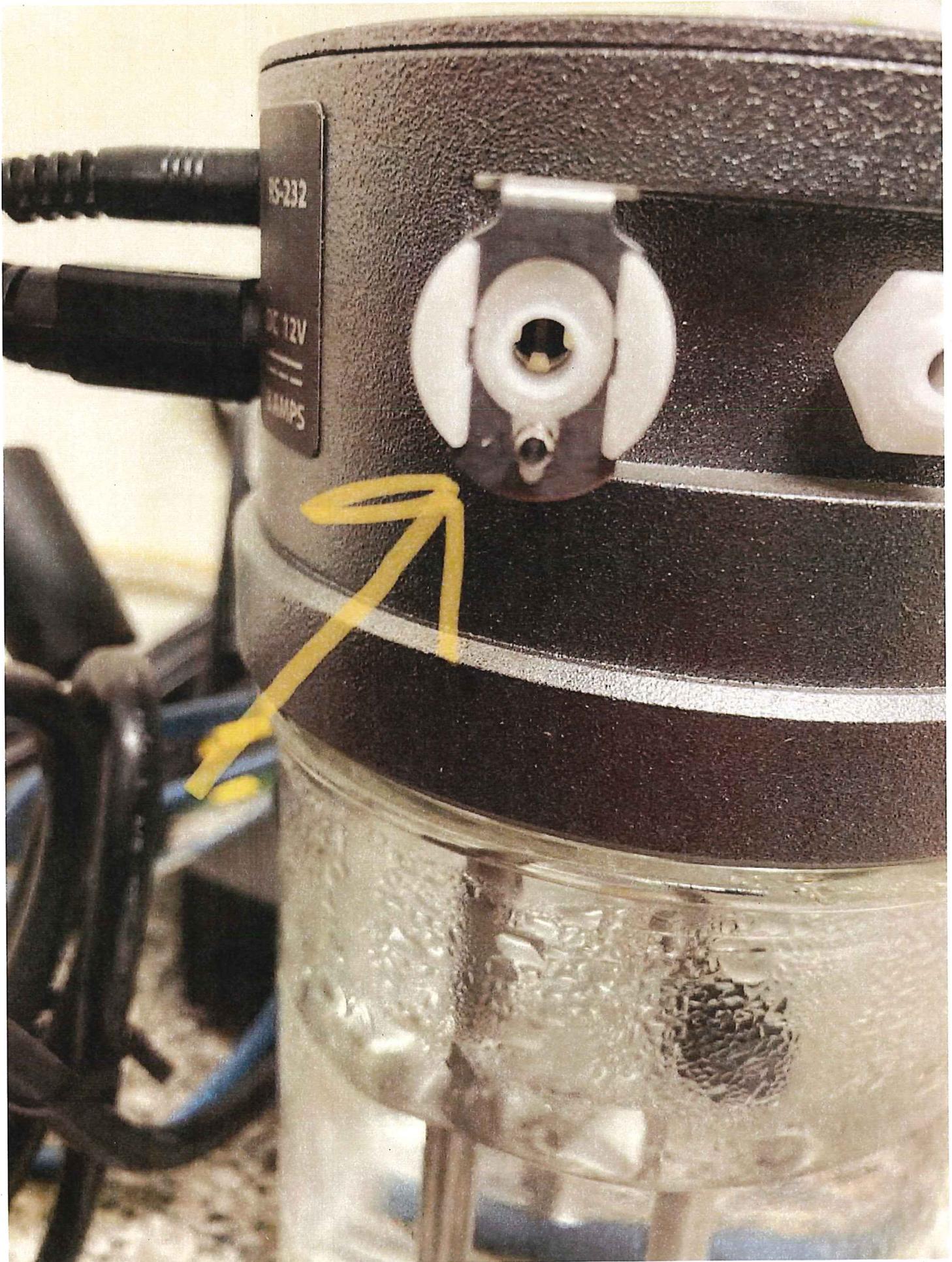
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