



VERMONT FORENSIC LABORATORY

PO BOX 47
WATERBURY, VERMONT 05676-0047
TEL: 802-244-8788
FAX: 802-241-5557
<http://vfl.vermont.gov>

DATAMASTER TECHNICAL SUPPORT INQUIRY

Agency/Site: Royalton VSP DataMaster Serial #: 101708

Date: 4/24/2013 Requestor: Steven Stearns

Instrument Supervisor: Steven Stearns Phone #: (802) 234-6520

Taken By: R. Driscoll

Problem: DataMaster DMT will not power up.

Laboratory Response: Will investigate on site.

Work Performed: DMT supervisor checked power cord connection and a known working power outlet with no change. Found power supply PCB receiving 120V but no 12V DC out. Replaced power supply PCB at the VFL, ran a Diagnostic check and an Accuracy & Precision check to verify operation within specifications. Unit is ready for re-installation at Royalton VSP.

On Site In-house

Attachments: 3 pages

Performed By: R. Driscoll RCD

Date: 4/25/2013

Final Review: [Signature]

Date: 4/25/2013

Driscoll, Rob

From: Stearns, Steven
Sent: Wednesday, April 24, 2013 8:12 AM
To: Bolduc, Amanda; Conti, Trisha; Driscoll, Rob
Subject: VSP Royalton Datamaster

Good morning.

I received an email this morning that Sgt Hudson sent me last night regarding our Datamaster, machine # 101708. He said that it was out of service, it had a "black screen of death". I got in this morning and checked all the connections, all the usb ports and switches, and everything seems to be connected. The Simulator is working, but the screen is blank and there are no lights or anything on on the keyboard.

I used my manual to help troubleshoot, and turned the power to the unit off and waited a minute or two and turned it back on... Still no screen or keyboard... So now what do I do? ☺

We're out of service still...

Thanks

Steve

Steven Stearns

Barracks Clerk
Vermont State Police
Troop D - Royalton Barracks
2011 VT RT 107
Bethel, VT 05032
Phone: 802-234-9430, ext. 2901
Fax: 802-234-6520
e-mail: steven.stearns@state.vt.us

DIAGNOSTIC RESULT

DataMaster DMT: 101708
Location: Royalton VSP
Calibration Date: 09/08/2011
Certification Date: 09/08/2011
Installation Date: 09/20/2011
Test Date: 04/24/2013
Test Time: 12:41:44



VERSIONS

DMT: 1.01
PIC: 2.05
Modem: 2.4
Questions: 2.1

TEMPERATURES

Sample Chamber = 48.8°C
Breath Tube = 48.1°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.80 V
Cooler Voltage = 1.81 V
Bias Voltage = 80 V
Chopper Freq = 533 Hz

PUMP INFO

Flow Rate = 5.984 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX (V)	-0.0222	-0.0183
MIN (V)	-0.0234	-0.0197

FILTER INFO

Filter 1	-0.019	Zero = true
Filter 2	0.600	Zero = true
Filter 3	0.717	Zero = true

CALIBRATION CHECK

Xq = 0.086 0.51%



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 101708
 Location: Royalton VSP

Date: 04/24/2013
 Time: 12:44:32

SUPERVISOR NAME:
 RCD CAL CHECK

SOLUTION LOT #: OHIO12070
 SOLUTION CONCENTRATION: 0.101

BLANK TEST	0.000	12:45
CALIBRATION CHECK	PASSED	12:45
SIMULATOR VAPOR 34.0°C	0.099	12:45
SIMULATOR VAPOR 34.0°C	0.099	12:46
SIMULATOR VAPOR 34.0°C	0.100	12:47
SIMULATOR VAPOR 34.0°C	0.100	12:49
SIMULATOR VAPOR 34.0°C	0.100	12:50
SIMULATOR VAPOR 34.0°C	0.100	12:51
SIMULATOR VAPOR 34.0°C	0.100	12:52
SIMULATOR VAPOR 34.0°C	0.100	12:53
SIMULATOR VAPOR 33.9°C	0.100	12:54
SIMULATOR VAPOR 34.0°C	0.100	12:55
BLANK TEST	0.000	12:56

Average = 0.099
 Std Dev = 0.000

