



VERMONT FORENSIC LABORATORY

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DATAMASTER TECHNICAL SUPPORT INQUIRY

| | |
|---|------------------------------------|
| Agency/Site: <u>Essex PD</u> | DataMaster Serial #: <u>122406</u> |
| Date: <u>6/23/2014</u> | Requestor: <u>Robert Kissinger</u> |
| Instrument Supervisor: <u>Robert Kissinger</u> | Phone #: <u>(802) 878-8331</u> |
| Taken By: <u>Rob Driscoll</u> | |
| Problem: Simulator Temp. out of range. _____ _____ _____ | |
| Laboratory Response: R. Driscoll to troubleshoot on site. _____ _____ _____ | |
| Work Performed: DataMaster DMT simulator temperature reading 34.8 degrees C. Checked temperature of the simulator solution using NIST thermometer S/N: 111814517. The simulator solution was within specifications at 34.1 degrees C. Adjusted the temperature sense PCB in the simulator to match the temperature with the DMT. The instrument now reads the correct temperature of 34.1 degrees C. _____ _____ _____ _____ _____ | |
| <input checked="" type="checkbox"/> On Site <input type="checkbox"/> In-house | Attachments: <u>2</u> pages |
| Performed By: <u>R. Driscoll <i>RD</i></u> | Date: <u>6/23/2014</u> |
| Final Review: <u><i>[Signature]</i></u> | Date: <u>6/25/2014</u> |

Driscoll, Rob

From: Robert Kissinger <rkissinger@ESSEX.ORG>
Sent: Friday, June 20, 2014 8:59 PM
To: Driscoll, Rob
Subject: Essex DMT

Rob,

Just sending you a work order request as our DMT is out of service. It has sustained a fatal error – simulator temp out of range. Currently fluctuates between 34.8 and 35.

Rob

Lt. Robert Kissinger
Patrol Supervisor

Essex Police Department
81 Main St
Essex Jct., VT 05452
Ph. 802.878.8331
F. 802.878.1340
rkissinger@essex.org

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DIAGNOSTIC RESULT



DataMaster DMT: 122406
Location: Essex PD
Calibration Date: 12/08/2011
Certification Date: 12/09/2011
Installation Date: 08/07/2012
Test Date: 06/23/2014
Test Time: 09:44:09

VERSIONS

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

TEMPERATURES

Sample Chamber = 49.2°C
Breath Tube = 45.6°C
Digital Sim = 34.1°C

SETTINGS

Lamp Voltage = 1.80 V
Cooler Voltage = 1.77 V
Bias Voltage = 80 V
Chopper Freq = 546 Hz

PUMP INFO

Flow Rate = 4.619 L/M

DETECTOR INFO

| PUMP | ON | OFF |
|---------|--------|--------|
| MAX (V) | 0.5116 | 0.5146 |
| MIN (V) | 0.5096 | 0.5120 |

FILTER INFO

| | | |
|----------|-------|-------------|
| Filter 1 | 0.513 | Zero = true |
| Filter 2 | 1.326 | Zero = true |
| Filter 3 | 1.340 | Zero = true |

CALIBRATION CHECK

Xq = 0.093 1.63%

Status history report shows no simulator temperature fails during subject tests. Instrument displayed "sim temp out of range" while sitting idle. RCD 6/23/14