



**VERMONT FORENSIC LABORATORY**

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**DATAMASTER TECHNICAL SUPPORT INQUIRY**

Agency/Site: VSP-Shaftsbury DataMaster Serial #: 100166

Date: 5/29 /2012 Requestor: JP Schmidt

Instrument Supervisor: JP Schmidt Phone #: \_\_\_\_\_

Taken By: A Bolduc

Problem: Simulator temperature reads 0.0C

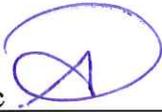
Laboratory Response: Sent a new BNC cable 5/29/12 for supervisor to install

Work Performed: Supervisor installed new BNC cable, temp still reads 0.0, site visit scheduled for 6/8.

Found simulator was no longer heating. Replaced the simulator with one that did not have a serial number sticker, labeled the simulator "VT 11" and adjusted the temperature to read 34C on the DMT using thermometer s/n 111814522. Performed an installation protocol to satisfy both the scheduled RPC and APM protocols. Also performed the scheduled software update and lock change.

On Site  In-house

Attachments: 2 pages

Performed By: A. Bolduc 

Date: 6/11/12

Final Review: 

Date: 6/11/2012

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## 2012 DataMaster DMT APM and Software Update

|                         |   |
|-------------------------|---|
| Date                    | 6/8/12  |
| Agency                  | VSP- Shaftsbury   |
| DMT Serial Number       | 100166  |
| Technician Name         | ARB   |
| Software Updated        | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| Lock Changed            | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| DPS Property Tag Number | 20169   |
| APM Protocol Performed  | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| Other/Notes             |   |

TSI -  
Replaced simulator w/ new. New sim did not have S/N sticker so I labeled it "VT11"  
Performed pressure check and adjusted sim temp to read 34.1°C using thermometer  
S/N 111814522. Performed installation protocol to satisfy both the RPC and the APM  
6/8/12  
A. Bolden

# INSTALLATION REPORT



DataMaster DMT: 100166  
Location: Shaftsbury VSP  
Calibration Date: 09/27/2011  
Certification Date: 09/27/2011  
Installation Date: 06/08/2012  
Installed by: AMANDA BOLDOC

## Default Options Loaded

### Diagnostic Results

VERSIONS  
DMT: 1.01  
PIC: 2.06  
Modem: 2.4  
Questions: 2.1

#### TEMPERATURES

Sample Chamber = 48.8°C  
Breath Tube = 48.1°C  
Digital Sim = 34.1°C

#### SETTINGS

Lamp Voltage = 1.74 V  
Cooler Voltage = 1.70 V  
Bias Voltage = 81 V  
Chopper Freq = 559 Hz

#### PUMP INFO

Flow Rate = 6.040 L/M

#### DETECTOR INFO

| PUMP    | ON      | OFF    |
|---------|---------|--------|
| MAX (V) | -0.0006 | 0.0033 |
| MIN (V) | -0.0022 | 0.0014 |

#### FILTER INFO

| Filter   | Value  | Zero |
|----------|--------|------|
| Filter 1 | 0.002  | true |
| Filter 2 | 0.373  | true |
| Filter 3 | -0.218 | true |

#### CALIBRATION CHECK

Xq = 0.081 0.85%

### Accuracy and Precision Check

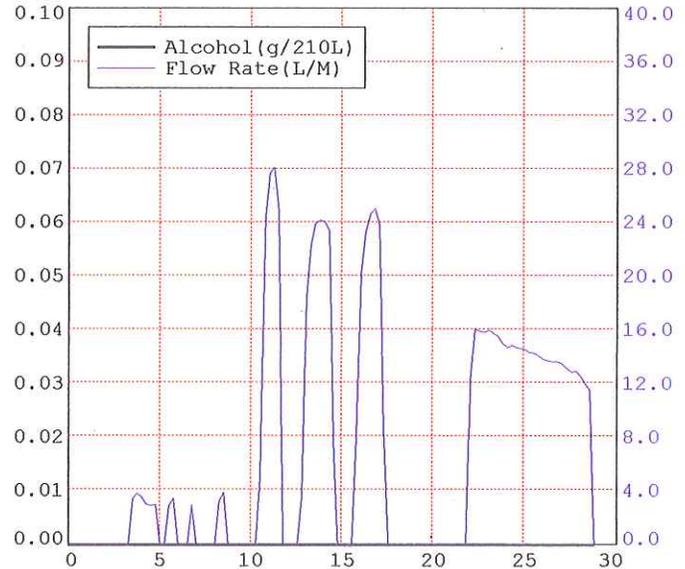
|               |                 |
|---------------|-----------------|
| Concentration | = 0.099 g/210L  |
| Lot #         | = 12-77-100     |
| Range         | = 0.094 - 0.104 |
| Average       | = 0.101 g/210L  |
| Std Dev       | = 0.0000        |

### RF Detection Test

Passed

### Sample Acceptance Test

Passed



## INSTALLATION PASSED

Performed by

ASB SLD

Date

06/08/2012

Reviewed by

DLGA

Date

6/11/2012