

# ANNUAL PREVENTATIVE MAINTENANCE



DataMaster DMT: 100157  
Location: COLCHESTER PD  
Calibration Date: 04/11/2017  
Certification Date: 04/11/2017  
Installation Date: 04/11/2017  
APM Date: 02/01/2021  
Performed by: JEFFERY DUKETTE

## Diagnostic Results

### VERSIONS

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

### TEMPERATURES

Sample Chamber = 49.5°C  
Breath Tube = 44.8°C  
Digital Sim = 34.0°C

### SETTINGS

Lamp Voltage = 1.66 V  
Cooler Voltage = 1.67 V  
Bias Voltage = 80 V  
Chopper Freq = 540 Hz

### PUMP INFO

Flow Rate = 4.095 L/M

### DETECTOR INFO

PUMP	ON	OFF
MAX (V)	0.2850	0.2884
MIN (V)	0.2831	0.2870

### FILTER INFO

Filter 1	0.288	Zero = true
Filter 2	0.568	Zero = true
Filter 3	1.610	Zero = true

### CALIBRATION CHECK

Xq = 0.095 1.96%

**APM PASSED**

## Simulator Vapor Test

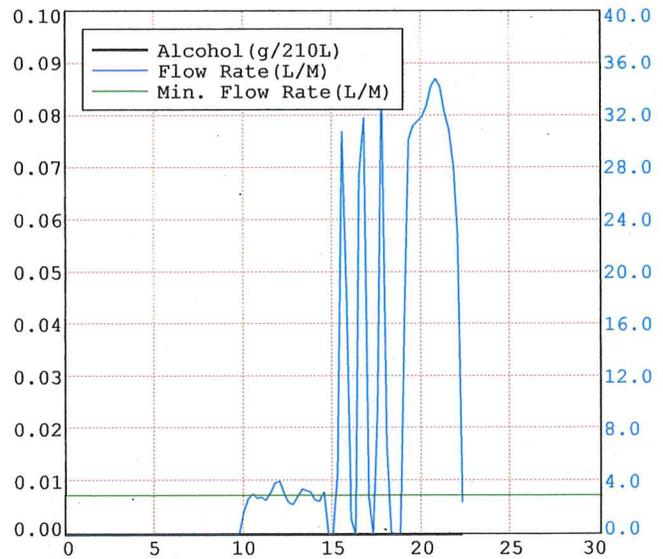
Concentration = 0.100 g/210L  
Lot # = 20-14-100  
Range = 0.095 - 0.105  
Simulator Vapor = 0.097 g/210L

## RF Detection Test

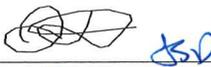
Passed  
RF detected

## Sample Acceptance Test

Passed



Performed by



Date

02/01/2021

Reviewed by



Date

2/9/21

Simulator Temperature Check

Simulator Serial Number: MP3508

DMT Serial Number / Simulator Location: 100157/Colchester PD

NIST Traceable Thermometer Serial Number: 1924 20790

As Found

Item	Thermometer Temperature	Simulator Temperature	Difference	Within Tolerance?*
Guth 12V500 Simulator	34.05	34.00	0.05	Y

\* ± 0.10°C agreement between thermometer and simulator

\* 34.0 ± 0.2°C acceptable range

Was temperature adjustment performed? Y / (N)

As Left (if applicable)

Item	Thermometer Temperature	Simulator Temperature	Difference	Within Tolerance?*
Guth 12V500 Simulator				

Notes:

Check Performed By: [Signature]

Reviewed by: [Signature]

Date: 2/1/21

Date: 2/9/21