



DMT Technical Support Inquiry

DMT Serial #: 100146
Date Initiated: 3/3/2025
Initiated By: JSD

Problem:
N/A

Work Performed:

An initial attempt at an adjustment was performed on 03/05/2025. Multiple filter wheel errors were obtained during calibration. The instrument was set aside until the instrument manufacturer performed maintenance on the DMT on 9/3/2025. Following maintenance from the manufacturer, the DMT was allowed to stabilize. See TSI dated 09/05/2025 for calibration and verification data post maintenance.

Performed On-Site ☐
Performed In-House ☒

Performed By: Jeff Dukette

Date: 11/26/2025

Technical Reviewer: Brittany Sins

Date: 11/26/2025

Administrative Reviewer: AS

Date: 11/26/25

Director Reviewer: LEA

Date: 12/1/2025

ADJUSTMENT REPORT

DataMaster DMT: 100146
Adjustment Date: 3/5/2025
Adjusted by: JEFFERY DUKETTE
Lot: 24-20-100



Ca = 0.101
CAL = 0.972471 0.800 <= CAL < 1.200
b1 = 0.000 0.000 <= b1 < 0.004
b2 = 0.005 0.002 <= b2 < 0.010
b3 = 0.000 0.000 <= b3 < 0.004
a21 = 1.189809 1.050 <= a21 < 1.300
a31 = 0.445045 0.300 <= a31 < 0.800

Filter wheel errors during calibration. Adjustment not used
JSD 3/6/25

Performed by

A handwritten signature in black ink, likely belonging to Jeffery Dukette.

Date

3/5/2025

DMT Upgrade Checklist

DMT Serial # 100146

	Initials	Date
Property Identification Tag # <u>1001529</u>	<u>JD</u>	<u>3/6/25</u>
Replace Serial # sticker	<u>JD</u>	<u>3/3/25</u>
Affix QR code sticker	<u>JD</u>	<u>3/3/25</u>
Install current software (43393A-B)	<u>JD</u>	<u>3/3/25</u>
Connect printer and ensure it prints color		
Perform Adjustment Protocol		
Perform Calibration Protocol		
Run MCS Solution with calibration		
Complete Verification Testing		
Linearity 1		
Linearity 2		
Linearity 3		
Interference solutions (Acetone, MeOH, IPA)		
Reviews completed and DMT ready for installation		
Install DMT		
Location:		
12V500 s/n:		
New log book		
Troubleshooting Guide		
Fill out DMT electronic log		

100146

JD

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