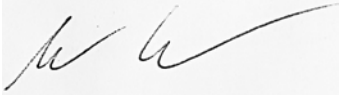

	FIRMWARE RELEASE NOTE	1(3)
Document:	AeroTrak Firmware Release Note for 9001 Firmware Version 5.2	Date: 30 November 2023
Project:	AeroTrak Particle Counters	Revision: 1

1 Revision History

Revision	Date	Implemented by	Details
1	10 November 2023	George Chancellor	Initial Draft.

2 Review & Approval:

Signature (Author): George Chancellor, Staff Electrical Engineer 	Date 11/10/23
Signature (Reviewer): Mike Turnure, Product Specialist 	Date 11/30/2023



	FIRMWARE RELEASE NOTE	2(3)
Document:	AeroTrak Firmware Release Note for 9001 Firmware Version 5.2	Date: TBD
Project:	AeroTrak Particle Counters	Revision: 1

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	FIRMWARE RELEASE NOTE	3(3)
Document:	AeroTrak Firmware Release Note for 9001 Firmware Version 5.2	Date: TBD
Project:	AeroTrak Particle Counters	Revision: 1

3 Introduction

The purpose of this document provides issues addressed in this AeroTrak firmware release and the affected models.

The models numbers affected by this firmware release version 5.2:

<u>Type</u>	<u>Models</u>	<u>Version</u>
CC CPC	9001	5.2

4 Change Detail

4.1 New Features

Feature Name	Description
No new features	NA

4.2 Issues Resolved

Issue Name	Description
9001 Purge Flow	The 5.2 firmware was updated to replace static control of the purge flow pump with active control of the pump to maintain the calibrated setpoint of the purge flow. The control frequency was increased from 1 Hz to 10 Hz to allow for a smoother and more stable control. This minimizes the occurrence of Purge Flow Errors

5 Testing

The changes detailed above have been tested on the following TSI software platforms:
TrakPro Lite Secure v3.2

6 Compatibility Issues

7 Installation

Run USB_Firmware_Upload.exe and follow the update instructions provided with the software.

8 Usage Notes

This firmware version affects background processes and does not impact customer usage.