

iProbe Plus

10-Second Rewind Function



The iProbe Plus incorporates a unique, patent-pending, 10-second rewind function. The purpose of the 10-second rewind function is to allow users to exclude the last 10 seconds of a scan from the saved “Summary” leak test results file. After several discussions with cleanroom certifiers, ATI confirmed common ways that false alarms typically occur, such as when the probe is dropped, when the probe’s nozzle hits the filter frame, etc. The certifier requested that these “false” alarms not be captured in the report, as they do not represent a leak in the filter being tested.

The 10-second rewind function is available whenever users perform a filter leak scan test they intend to save. Keep in mind, that the last 10 seconds of leak scan data, from the time the rewind button is pressed, will be excluded from the Summary file, but not the Detailed file. The function counts the number of times the rewind button was pressed during a filter scan, and records the count in all the reports generated by the iProbe Plus. The Detailed Filter Leak Test Report (PDF) lists all scan results (Pass, Fail, and Excluded) by the rewind function. This ensures that the data integrity of each filter scan is not compromised and is available for quality assurance (QA) purposes.

ATI recommends that customers consider updating their test procedures and protocols as follows:

1. Develop a policy for using the 10-second rewind function. Reason codes can be used and assigned as needed. For example, reason code “1” can be used for “Hitting the frame”, “2” “Dropping the probe”, and “3” “Other reasons” which can be described in the comments field. The reason code can be followed by an action code such as “A” for “More training”, “B” for “Changing operator”, and so on.
2. Develop a policy for the acceptable number of rewind counts per filter according to the CCS (Contamination Control Strategy) requirements of the end customer. If the number of rewind counts is above the defined acceptable number, the policy should indicate what to do next. For example, repeat the filter leakage test scan.
3. Develop a procedure for action after pressing the rewind button during a test. We suggest going back at least 50 cm (20 in.) and repeat the test. This distance is based upon the filter leak recommended scanning speed of 5 cm/sec (2 in./sec).

The max % leakage measured is displayed

Time elapsed for the scan

The ID of the filter being scanned

Upstream/Downstream /Clear valve control

Feature: Patent pending 10-second rewind function
User Benefit: Prevents saving accidental alarm events. The last 10 seconds of leak scan data, from the time the rewind button is pressed, will be excluded from the summary file but **NOT** the detailed file.

- The output file will indicate how many times this button was pressed

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Model: 21 Aerosol Photometer
Base Serial Number: 34791
Probe Serial Number: 72890
Probe Type: iProbe Plus
Probe Firmware Version: 1.0.0.43
Probe System Version: 1.0.0.1
Cal Due Date: 2026-03-19
Current Date: 2024-03-20
=====
Job ID: JOBABC
Room ID: ROOMDEF
Filter ID: 001C
Tech ID: GPATEL
Setup: Previous
Reagent: PAO
Actual Concentration:
Upstream Concentration: 100
Rewind count: 1
=====
Scan Start Time: 2024-03-20, 10:47:05.680
Scan End Time: 2024-03-20, 10:47:32.077
Effective Scanning Time: 00:00:00.000, 00:00:26.372
=====
Leakage Alarm % Value: 0.01
Max leakage % Value: 0.1653
Alarm_Exceeded: YES
=====
Scan Comments: "TEST"
=====
Operator Signature: _____ Date: _____
Witness Signature: _____ Date: _____
=====

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