SHIMADZU
Excellence in Science

New TOC-L Features

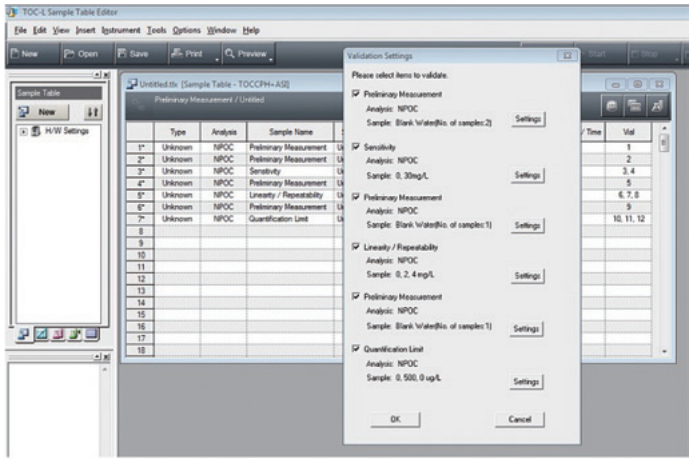
"We want a simple way to confirm the performance of the instrument," "We want to measure samples with a variety of properties."
To meet such customer needs, new features have been added to TOC-L series instruments.

Improved Support for Performing Instrument Validation

* Validation means confirming the performance of an instrument and is essential for ensuring reliable measurement results.

Easily Create Schedules for Validation Measurements

Quickly and easily create schedules for validation measurements using simple window operations, checking parameters such as sensitivity, linearity, and repeatability. Simply add a check mark next to the desired task, press OK and the sequence is automatically generated.

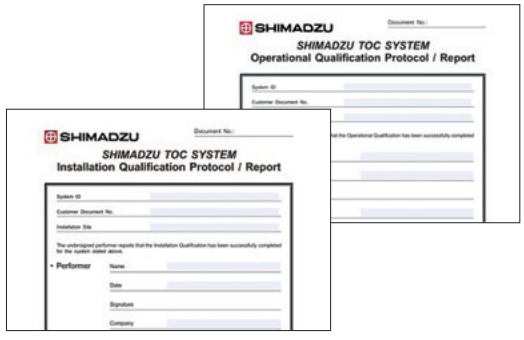


Compatible with the SSM-5000A Solid Sample Module

TOC-L performance evaluations also extend to the SSM-5000A, which is used by pharmaceutical industry customers in cleaning validation. It evaluates the instrument's sensitivity, linearity, and repeatability.

Documentation Validation – Assured!

Highly experienced field engineers provide support for sample measurements. They generate documents summarizing the evaluation records and provide validation documents in an electronic format for archival.



For Various Samples Measurements

Residual Inorganic Carbon Checks with Correction Functionality for NPOC Measurements (*1, *2)

Because IC (Inorganic Carbon) is removed during NPOC (Non-Purgeable Organic Carbon) measurements, a wide range of samples can normally be measured using the instrument's default conditions. However, IC removal may be incomplete depending on the pH or other characteristics, and IC may inadvertently remain in some samples. When a user wishes to check the effectiveness of the IC removal treatment, and correct for the effect of any residual IC, the software will perform IC measurements together with the NPOC measurements. Subsequently, it output results in which the IC measurement values are subtracted from the NPOC measurement values.
This will be useful for users who are measuring samples from a variety of sources.

Automatic Re-measurement of Samples Out of Calibration Range (*2)

If results of an unknown sample are out of the calibration curve range, then the measurement conditions (injection volume, automatic dilution factor) are adjusted, and the measurement is automatically repeated. In such cases, the user can select a setting that reduces the injection volume, increases the dilution factor, or does both.
Use when a sample's concentration cannot be estimated in advance.

*1 This function can only be used during PC control. The optional ASI-L and external sparge kit are required for use.
*2 Contact your Shimadzu representative regarding the instrument calibration, sample conditions, and the suitability of this function.

To Customers Using TOC-L

When Using PC-Controlled Models

To use these functions, TOC-Control Ver. 1.04 is necessary.
The software upgrade program is free. Please contact your local Shimadzu representative.

* A disk containing the upgrade program is available for a fee.
* At the same time, upgrade the firmware to Ver. 1.06.00. A field engineer must be dispatched to upgrade the firmware.

When Using Standalone Models

The new functionality noted above is not available during standalone operation. For using these functions, the system must be switched to PC control.
A disk containing TOC-Control L is provided with the TOC-L. Prepare a PC and USB cable, and then switch to PC control.

* Prepare a PC and USB cable separately. Contact your Shimadzu representative regarding the PC specifications.
* At the same time, upgrade the firmware to Ver. 1.06.00. A field engineer must be dispatched to upgrade the firmware.
* A field engineer must be dispatched to change the control method for the unit.

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