

Automation Portal

Automate your lab with your trusted LC partner

The Waters™ Automation Portal easily automates your ACQUITY™ and Arc™ UPLC™, UHPLC, and HPLC Systems to maximize your lab's efficiency, improve lab throughput, reduce analyst errors, and free up time to focus on your science.

- Streamline your LC workflow by enabling physical sample transfer into ACQUITY and Arc Sample Managers using robotic arms
- Optimize lab space by maintaining a small footprint
- Achieve quality and consistency by reducing analyst errors

INTEGRATE WATERS ANALYTICAL LCS INTO AUTOMATED WORKFLOWS

Easily automate your ACQUITY or Arc UPLC, UHPLC, and HPLC System with the simple-to-use Automation Portal. The Waters Automation Portal is readily configurable with a wide range of Waters LC Solutions.

- With its small footprint, the Automation Portal saves lab space for plate loading and transfer. The Automation Portal enables the physical sample transfer into ACQUITY sample managers via robotic arms.
- Simple installation onto existing ACQUITY and Arc Sample Managers for ACQUITY and Arc Premier UPLC/UHPLC Systems, ACQUITY UPLC H-Class and I-Class PLUS Series, and ACQUITY Arc and Arc HPLC Systems
- Leverage third-party integrators for installation, integration into your current automated workflow, and data integration using Empower™ Toolkit, MassLynx™ Software, and waters_connect™ Software APIs
- Designed for use with automation scheduling software, the Automation Portal enables scheduling events such as open portal, ingest plate, eject shuttle, and close portal.



Figure 1. The Waters Automation Portal works with ACQUITY and Arc UPLC, UHPLC, and HPLC Systems.

CHOOSE YOUR OWN INTEGRATION PARTNER

With the Automation Portal, you conveniently work with your preferred integrator for all your integrator-assisted and customer-controlled automation workflows. The Automation Portal leverages these third-party integrators for data integration using Empower Toolkit, MassLynx Software, and waters_connect APIs.

Automation Portal Specifications

- Microtiter plate acceptance criteria: Accepts standard microtiter plates meeting the ANSI/SLAS 4-2004 R2012 specification
- Plate access: The Automation Portal's landing pad allows unimpeded access to both short sides and both long sides of the plate, allowing plates to be gripped in either orientation. On the short side of the plate, the Automation Portal's landing pad allows clear access to the bottom edge of the sample plate, along the tray edge dimension. On the long side, the landing pad allows a gripper access to the top 10 mm of a plate.
- Cycle time: Defined as one drawer extraction and one drawer insertion; less than 1 minute
- Temperature: Maintains Sample Manager environmental conditions
- Communications: Serial communications to Sample Manager and PC
- Physical specifications:
 - Width: 24.4 cm (10.0 in.)
 - Height: 49.5 cm (19.5 in.)
 - Depth: 60.9 cm (24.0 in.)
 - Weight: 18.1 kg (39.9 lbs.)
- Power Requirements:
 - Voltage: 100 to 240 VAC
 - Frequency: 50/60 Hz

- Environmental Specifications:
 - Audible noise: <55 db
 - Operating temp.: 4 to 4 °C
 - Storage temp.: -30 to +60 °C
 - Humidity: 20% to 80% non-condensing

The Waters Automation Portal is readily configurable with a wide range of Waters LC solutions, including:

- ACQUITY Premier
- Arc Premier
- ACQUITY UPLC H-Class Plus
- ACQUITY UPLC I-Class Plus
- ACQUITY Arc
- Arc HPLC

Learn more at waters.com/AutomationPortal

Waters™

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