

ACQUITY UPLC SAMPLE ORGANIZER

The sample organizer stores multiple microtiter or vial plates and transfers them to and from the sample manager. This automates processing and increases throughput. The sample organizer's storage shelf compartment can hold a selection of ANSI plates. Heaters and coolers thermally condition the shelf compartment and together with the sample manager's heater/cooler, maintain the temperature at a set point determined by the user.

The ACQUITY™ UPLC™ Sample Organizer increases sample capacity to: 19 microtiter plates or nine intermediate height plates (or 2-mL vial holders) or six deep-well plates (or 4-mL vial holders). Plates may be inserted or removed from the Sample Organizer at the user's discretion and are transferred to the Sample Manager in a user-programmable manner. Any sample position may be accessed at any time. Sample temperature is controlled from 4 to 40 °C (with a range of -2 to +4 °C at a set point of 4 °C) to promote sample stability.

OPERATING SPECIFICATIONS

Number of sample plates	Total of up to: 19 standard microtiter plates, 9 intermediate height plates (or 2-mL vial holders), or 6 deep-well plates (or 4-mL vial holders), and combinations thereof positioned in the Sample Organizer
Maximum sample capacity	Total of up to 7680 samples in 20 384-well plates or 480 2-mL vials in 10 48-vial holders when configured with an ACQUITY UPLC Sample Manager
Plate exchange (retrieval and replace) time	< 15 seconds
Sample temperature control	4.0 to 40.0 °C, programmable in 1.0 °C, At an ambient temperature of 21.0 °C (69.8 °F) or lower, the sample organizer will maintain the temperature of the compartment down to 4.0 °C (39.2 °F with a tolerance of 2.0/+ 6.0 °C (3.6/+10.8 °F). This performance is independent of the number of samples and shelves in place. For ambient temperatures above 21.0 °C (69.8 °F), there is a delta of 17.0 °C (30.6 °F) from actual ambient temperature.

PHYSICAL SPECIFICATIONS

Dimensions	Height: 95.5 cm (38.0 in) Width: 25.4 cm (10.0 in) Depth 72.2 cm (30.0 in)
Weight	In crate 56.7 kg (125 lb), on bench assembled 63.5 kg (140.0 lb)

ENVIRONMENTAL SPECIFICATIONS

Operating temperature range	4 to 40 °C
Operating humidity range	20% to 80%, non-condensing

ORDERING INFORMATION

PART NUMBER

ACQUITY UPLC Sample Organizer

17601540

Options

Storage shelf assembly

700009687

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