

Shimadzu SIL-HTA Autosampler

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Shimadzu SIL-HTa Autosampler (non-chilled).

Features

High throughput

The SIL-HTa maximizes analysis throughput with fast sample injection and high sample capacity. Injection speed is 15 seconds for injecting samples of 10 μ L.

Excellent repeatability

The SIL-HTa uses a needle-in-the-flow-path injection design (also called direct injection method or total volume injection method) and a high-performance measuring pump (6nL step resolution) for enhanced accuracy. This results in superior repeatability over conventional autosamplers. In addition, precious samples are not wasted since the total volume aspirated is injected.

Specification:

Shimadzu SIL-HTa Sample Injection System Total sample injection, variable sample injection system (zero sample loss during injection).

Shimadzu SIL-HTa Settable Range Of Injection Volumes

0.1 to 1000 μ L (standard), or 1 to 20000 μ L (option) (0.10 μ L steps from 0.1 to 0.90 μ L, and 10 μ L steps from 1 to 20000 μ L)

Shimadzu SIL-HTa Sample Processing Capability

With 1-mL vials: 350

With 1.50mL vials: 210(SIL-HTa), 140(SIL-HTc)

With 4-mL vials: 100

With micro plates: 4 (96 wells: 384, 384 wells: 1536)

With deep-well plates: 4 (96 wells: 384, 384 wells: 1536)

Shimadzu SIL-HTa Injection Volume Repeatability

RSD: 0.3% max. (at 100 μ L injection)

Shimadzu SIL-HTa Cross Contamination

0.01% max. (for analysis of naphthalene)

Shimadzu SIL-HTA Autosampler

Number Of Injections

1-99 times per sample

Input/Output Terminals: External start input: 1, Error input: 3, External output(EVENT 1,2,3,4): 4, Output for external control (AC Remote):1, Optical link: (for Chromatopac), 8 (for LC unit control), RS-232C: 1 (for PC connection)

Pump Control: Solvent delivery models: isocratic, high-pressure gradient, low-pressure gradient, constant pressure solvent delivery. Programs: flow volume, pressure, concentration, upper pressure limit, lower pressure limit, linear step, index function (all are multiple steps).

Autosampler Control: Sample injection volume, number of repeated analyses, analysis time, analysis file unnumber, etc.

Shimadzu SIL-HTa Specifications

Operating pH Range: pH: 1 to 14 standard

Wetted Surface Material: SUS316, PEEK, Ceramics

Operating voltage: 230V

Dimensions: 540 (W) x 500 (D) x 415 (H) mm

Weight: 40kg

Please enquire for full pricing on this excellent instrument.