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Find the *Agilent / Varian / Dynamax / Rainin AI-3* at our website: *Click HERE*



Dynamax AI-3 Automatic Sampler

The Model AI-3 is an economical autosampler for routine analysis using flushed-loop injections. It requires no external compressed air supply. The electrically operated Rheodyne valve switches in less than 100 msec.

Two separate DC motors control the needle position and puncturing of the septum. The rugged side-port needle pierces the septum without getting blocked by septum particles.

Change Samples During Operation

The standard 96-vial sample tray is made up of four segments. Optional large-volume tray segments hold a total of 48 x 5 mL vials. All samples are fully accessible during runs so that samples and even tray segments can be replaced without interrupting the run.

Needle wash is used to prevent cross-contamination between samples. There are 92 sample vials with four vials used to contain the washing solvent.

Flushed-loop injections use a unique flow-through dispenser coupled with headspace pressure on the sample vial to eliminate air bubble problems. This system provides excellent injection precision and reliability in HPLC. Relative standard deviation is specified at less than 0.5%, but is typically less than 0.2%.

Optional Peltier Cooling

Often samples require refrigeration to keep them stable. Many labs require instruments with a small footprint: Model AI-3 offers both.

The compact size of the standard unit remains unchanged when the thermo-electric (Peltier) cooling device is installed inside its cabinet. The cooling capacity maintains samples at 4 °C, even at 30 °C ambient temperature.

Easy to Learn to Operate

The Dynamax AI-3 can be easily programmed from the front panel and can be triggered by external software. The Model AI-3 is an easy to use workhorse autosampler, perfect for routine applications.

Performance Features

- Flushed-loop injections
- All-electric; no pressurized gas needed
- Priority-sample interrupt
- 4 tray segments: total of 96 x 1.8 mL vials
- Add or remove tray segments during run
- Electrically operated Rheodyne injector
- Optional: Peltier cooling Large volume: 48 vials, 5 mL each Biocompatible version

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