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Find the *Agilent / Varian ProStar 410* at our website: ***Click HERE***

ProStar 410 HPLC AutoSampler

Intelligent automation at your fingertips!



- Flexibility with multiple injection modes
- Optimal performance with integrated column oven
- Biocompatible and sample cooling options available

The ProStar 410 AutoSampler offers the best of both worlds. It is intelligent for research applications yet rugged enough for routine quality control work. With Pressure Assisted Sampling Aspiration (PASA), the 410 AutoSampler applies pressure within the vial while the sample is withdrawn by a high-resolution syringe. Air bubbles and in-vial vacuum problems are eliminated resulting in excellent reproducibility.

Flexible and Reliable

The 410 AutoSampler's three injection modes combine flexibility, ease-of-use, and precision. Choose from:

Full Loop — overfills the sample loop for maximum precision.

Partial Loop — program variable injection volumes easily.

Microliter Pickup — withdraws the exact amount to be injected without sample loss.

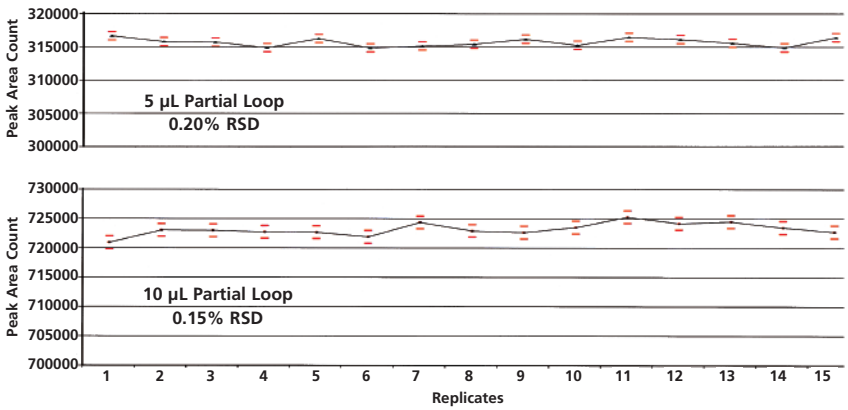
Compact and Easy-to-Use

The compact design with integrated column oven saves bench space. Access to the syringe, injector, and needle is easy with the lift-up front panel.

The electronic GLP log book tracks syringe, injector, and needle information for timely, preventive maintenance.

Interchangeable Sample Trays

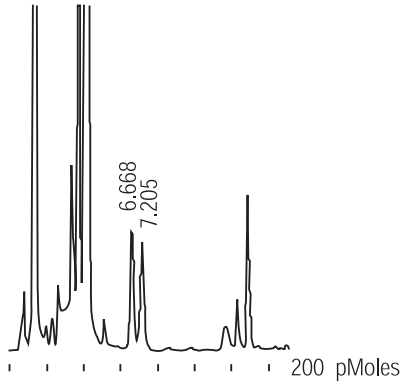
Sample trays are available in three configurations: 84 x 1.5 mL vials with three 10 mL vials; 96 x 1.5 mL vials; or 24 x 10 mL vials for large injection volumes. Trays can be interchanged in under a minute.



Superior injection reproducibility. *Typical injection reproducibility in Partial Loop mode.*

VARIAN

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Automated sample derivatization. *The above chromatogram shows an analysis of (±) Propranolol, a ß-Adrenolytic, using automated pre-column derivatization on the ProStar 410 AutoSampler with FLEC (6.67 and 7.21 minutes respectively).*

Step 1. Transfer 50 µL of FLEC reagent to Propranolol sample
Step 2. Mix 2 times
Step 3. Wait for programmed reaction time (5 minutes)
Step 4. Inject 10 µL

Auto Mix Sample Preparation

Internal standard addition, sample dilution, or derivatization steps are easily programmed to reduce sample preparation time and errors associated with manual procedures. Using vial-to-vial transfers or dedicated large volume reagent vials, the 410 AutoSampler accomplishes many types of sample preparation routines.

Maximum Performance

Varian offers Star® or Galaxie™ Workstation control as well as Galaxie Chromatography Data System control.

With added features such as sample tray temperature programming, a full-size column oven, and choice of software control, the ProStar 410 AutoSampler does exactly what you need, when you need it!

Versatility

The ProStar 410 AutoSampler is the ideal autosampler for both analytical and preparative injection volumes. Sample volumes up to 10 mL are easily handled for preparative applications.

ProStar 410 Specifications

- Standard sample tray: 84 x 1.5 mL vials with 3 x 10 mL vials
- Optional sample trays: 96 x 2.5 mL vials or 24 x 10 mL vials
- Dispenser unit: 50 µL syringe standard; 1000 µL or 2500 µL syringes, optional
- Injection volume: 1 to 5000 µL with preparative option up to 10 mL
- Injection methods: nine methods in memory
- Needle wash: integrated, programmable large reservoir
- Vial detection: yes
- Reproducibility
  - Full Loop: < 0.3% RSD
  - Partial Loop: < 0.5% RSD
  - Microliter Pickup: < 1.0% RSD
- Carryover: < 0.05%
- Optional sample cooling: 4 °C to 15 °C programmable

Dimensions and Weight

- Size: 11.8 in./30 cm (w) x 13.4 in./34 cm (h) x 19.7 in./50 cm (d)
- Weight: 42 lb/19 kg; 46 lb/21 kg with cooling option

Ordering Information

Cat. No.	Description
0393529001	ProStar 410 AutoSampler
0393529002	ProStar 410 AutoSampler with Cooling Option
0393529003	ProStar 410 Biocompatible AutoSampler
0393529004	ProStar 410 Biocompatible AutoSampler with Cooling Option
0393529005	ProStar 410 Prep AutoSampler
0393529006	ProStar 410 Prep AutoSampler with Cooling Option
0393590791	Preparative Upgrade Option
R000088210	Large Capacity Tray, 96 x 2.0 mL vial capacity
R000088211	Large Volume Tray, 24 x 10 mL vial capacity
0393546291	Serial Communication Cable, PC to 410

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