

# L-PAL3

## GC Autosampler

Your lab's attention should be on your samples, not on your downtime. LECO's exclusive L-PAL3 autosampler for our GC instrumentation improves accuracy, speed, and reliability with our highly robust, industry-proven platform. With increased vial capacity, ultrafast discrimination-free GC injections, minimized carryover, bottom-sensing technology, and an automatic tool exchange to switch between injector types (liquid, headspace, or SPME), the LECO L-PAL3 GC autosampler will boost your productivity and take the uncertainty out of your samples.

### Features

- Allows for automation of up to 162 two mL samples, or 45 ten/twenty mL samples.
- Discrimination-free injection speeds with complete injection cycle time down to 100 milliseconds.
- Bottom-sensing technology ensures that even very small volumes can be sampled.
- Four separate models available so you may configure your package based on your autosampler needs.
- Automatic Tool Exchange (ATX) allows users to switch between liquid, SPME, and headspace seamlessly.
- 96 to 384 well plate sampling supported; requires foil cutter.
- Now available with Peltier cooled racks.



## Models

### Liquid

#### **L-PAL3 GC Autosampler for Liquid Injections**

This CTC-based robot combines an autosampler and injector that operates in three dimensions of space, providing everything needed to perform standard liquid injections. This package includes a 5-position solvent wash station, tool for liquid syringe injections, mounting kit for 7890B GC, and a single tray holder with three trays (54-positions each) for 2 mL vials. This is a non-upgradable system.

### Headspace

#### **L-PAL3 GC Autosampler for Liquid and Headspace Injections**

This CTC-based robot combines an autosampler and injector that operates in three dimensions of space. It provides everything needed to perform standard liquid injections and static headspace injections. This package includes a heated agitator, 5-position solvent wash station, tool for liquid syringe injections, heated tool for headspace syringe, mounting kit for 7890B GC, and two tray holders; one with three trays (54-positions each) for two mL vials, and the second with three trays (15-positions each) for 10/20 mL vials. This configuration requires a manual exchange of tools between headspace and liquid injections.

### SPME

#### **L-PAL3 GC Autosampler For Liquid and SPME Injections**

This CTC-based robot combines an autosampler and injector that operates in three dimensions of space. It provides everything needed to perform standard liquid injections and all SPME-type analyses (immersion, headspace). This package includes a heated agitator, 5-position solvent wash station, tools for liquid syringe and SPME fibers, SPME fiber conditioning station, mounting kit for 7890B GC, and two tray holders; one with three trays (54-positions each) for two ml vials, and the second with three trays (15-positions each) for 10/20 mL vials. This configuration requires a manual exchange of tools between SPME and liquid injections.

### ATX

#### **L-PAL3 GC AutoSampler for Liquid, Headspace, and SPME Injections**

This CTC-based robot combines an autosampler and injector that operates in 3 dimensions of space. It provides everything needed to perform standard liquid, headspace, and SPME injections. This model allows for automatic switching of injection types, so method development can be automated. This package includes a heated agitator, 5-position solvent wash station, tools for headspace, liquid syringe and SPME fibers, and SPME fiber conditioning station, mounting kit for 7890B GC, and two tray holders; one with three trays (54-positions each) for two mL vials, and the second with three trays (15-positions each) for 10/20 mL vials.

## OPTIONS

### **SPME Arrow**

Interested in a better SPME? This highly robust tool has larger sorptive properties, which can be used in immersion or headspace applications. Available in a variety of sizes and with standard phases.

### **ITEX Dynamic Headspace**

Increase your productivity with this syringe-only concept. The in-tube extraction and thermal desorption eliminates sample loops, transfer lines, and switching valves.

*Specifications and part numbers may change.  
Consult LECO for latest information.*

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