

Buck Scientific HPLC systems

Integrated ~ Automated ~ Modular

The BLC-20 Series HPLC from Buck

Have you ever been tempted to save money by building your own HPLC from available components for sale from different vendors? Well relax, we've done all the work for you, and you still save all that money! Get full customization and a one-year warranty on the entire system. And don't forget Buck's outstanding customer service is always here for you!



All Systems are fully configured including; reverse-phase column, solvent delivery system, syringe, detector, and software.

Electronic controls for pump a flow rate allow fully automated operation for reproducible results.



Watch our Installation & Operation videos on youtube.com

Variable wavelength systems give high resolution selectivity with a 5nm bandpass and a high throughput 10 μ l flowcell.

Connect With Us



Complex Gradient Elutions are a snap with the BLC-20G Gradient HPLC

Adding a second pump saves you time and money when dealing with multi component separations.



BLC-20G Binary Gradient Variable Wavelength HPLC \$17,995

BLC-20GHP High pressure Gradient liquid chromatograph w/ var. WL detector \$20,995.00

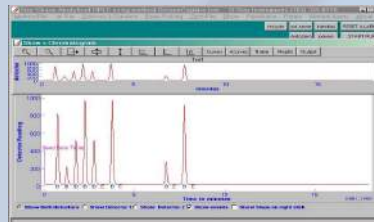
BLC-20PG HPLC semi-preparative binary gradient with variable wave length detector \$22,995.00

Columns and spares available @

bucksci.com

PeakSimple Software

Easy to Learn, Easy to Use
Packed with State-of-the-Art Features
Free Technical Support
Free to download @ bucksci.com!



Most PeakSimple functions are launched from the chromatogram window, and are so user friendly that most operators can produce results almost immediately. ToolTips makes learning your way around PeakSimple even easier—just hold your mouse cursor over any icon or checkbox to read the onscreen How-To instructions

Spark Holland Optimas Autosampler (84 position) \$13,500.00



Optimizing your injection automation, using reliable injection technology, with a carousel holder for sample vial flexibility. OPTIMAS™ features our proven PASA™ injection concept, combining robust injection with high precision and accuracy. With its three injection modes including zero sample loss injection, OPTIMAS™ rivals top-class autosampler performance, while challenging middle-class autosampler prices!

Reliable PASA™ injection technology
Superior price/ performance ratio
Sample cooling
Large choice of sample vials

Fluorescence Detector



\$6,795

The "RF-10 AXL" is a highly sensitive detector for determining derivatized amino acids and other compounds showing fluorescent activity in trace analysis.

Refractive Index detector



\$8,995

The differential refractometer is suitable for detecting compounds with little or no UV activity such as sugars or polymers.

Fraction Collector
\$4,795



Our fraction collector can be operated as a simple fraction collector, where each fraction is the same size and the fraction size is set in terms of time, drops, or external events (like counts from a pump). A simple command entered from the membrane keypad enables the internal peak detector. This allows you to collect only those peaks of interest from the chromatogram and to ignore the rest.

Bubbles equal headaches!

Our 4 channel Degasser will alleviate your bubble problem.
\$4,795



Don't need that second pump?

Save 5K and go with our Isocratic HPLC!

The BLC-20 Series Systems use a high quality, precision monochromator based spectrophotometer for a full range of analyses at wavelengths from 195-800nm. You can mount 2 detectors at once from our selection of four detectors. The BLC-20 comes standard with a two stage valve and loop, either peek or stainless steel.

Isocratic elution is the preferred method for samples which occupy less than 20% of the separation space.

BLC-20 Variable Wavelength Isocratic HPLC (3000 psi)
Peek or stainless steel \$12,395.00

BLC-20HP High Pressure (5000 psi) Isocratic system with
variable wavelength detector stainless steel \$13,745.00

BLC-20 systems include 25cm column, sample loop,
PeakSimple software, tubing, & fittings.

Semi-Prep Options

These systems will meet your needs for preparing milligrams to grams samples, and give you advanced purification capabilities and savings of expensive mobile phases at the same time.

- Great for purification of expensive samples
- Compound isolation & purification from complex mixtures
- Therapeutic agent production
- Chiral separations
- Protein purification



BLC-20PG Binary Gradient Preparative

Variable wavelength HPLC \$22,995

With Fraction collector and amino acids kit \$31,995

BLC-20P Isocratic Preparative Variable Wavelength
HPLC System \$17,575

With Fraction collector and amino acids kit \$26,995

BLC-20 Series Variable Wavelength HPLC Specs

Detector:

Wavelength Range 195 - 800nm
Bandpass 5nm
Flowcell 10µL Volume, 7mm Path
ABS Range 0.005 - 1.0 ABS (2 ABS Max.)
Drift <2 x 10⁻⁴ A/hour @ 254nm
Noise <2 x 10⁻⁵ A @ 254nm
Linearity >2%
Panel Controls ABS, Auto-Zero, Wavelength
Wavelength Accuracy <2nm, Reproducibility < 1nm
Recorder Output 10mV full-scale
Integrator Output IV/ABS to 2V
Display 4 Digits (ABS), 3 Digits (NM)

Pump:

Flow Rate 0.01-9.99 ml/min.
Pressure 0-2500PSI (Analytical)
Accuracy 1% Max. deviation
Precision <0.5% RSD
Panel Controls Run/Stop & Prime, Flow
Control, Pump Status LED
Display Flow rate (ml/min)

Shipping Weight 40 lbs.
Dimensions 16"W x 7"H x 17"D

Teaching or QA separations?



The BLC-10 is the perfect teaching tool for HPLC. With its durable build and low cost of ownership, it is the one piece of lab equipment you won't be worried about in your lab. All Buck instruments are designed to be easily serviced by the analyst with our affordable spares and accessories.

You can have The BLC-10 your way!

6 Different wavelength filters to choose from for your single pump workhorse!
254nm~280nm~365nm~420nm~505nm~540nm Filter and source kits available for wavelength changes in the field.

BLC-10 Fixed Wavelength Isocratic HPLC System \$8,995

The BLC-10 Comes with:
15cm column, sample loop,
PeakSimple software,
FunChem-experiments,
tubing, & fittings.

BLC-10 Fixed Wavelength HPLC Specs

Pump:

Flow Rate 0.01-9.99 ml/min.
Pressure 0-300PSI (Analytical)
Accuracy 1% Max. deviation
Precision <0.5% RSD
Panel Controls Run/Stop & Prime, Flow Control, Pump Status LED
Display Flow rate (ml/min)

Shipping Weight 31 lbs.
Dimensions 10"W x 7"H x 17"D

Detector:

Wavelength Range 254nm (Hg Lamp)
Options 280, 365, 420, 505, 540nm
Flowcell 10µL Volume, 7mm Path
All PEEK & Quartz Materials
ABS Range 0.005 - 1.0 ABS (2 ABS Max.)
Drift <5 x 10⁻⁴ A/hour @ 254nm
Noise <5 x 10⁻⁵ A @ 254nm
Linearity >2%
Panel Controls ABS Range, Auto-Zero
Recorder Output 10mV full-scale
Integrator Output 1V/ABS to 2V
Display 4 Digits (ABS), 3 Digits (NM)

AA-R-UV-VIS-GC-HPLC
www.bucksci.com
where high quality and low prices coexist
Instruments & Accessories