INNOVATIVE
YET INTUITIVE
HPLC



Movel Analytical Chromatographic System







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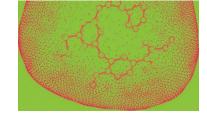
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Taking alm¶u¶at an existing technology that hasn't changed in decades, we removed complexities and upgraded outdated components. The software has been completely overhauled. Now manage Alltesta systems, as well as access all data from your smartphone, tablet, or personal computer. Your data is effortlessly and securely stored.

Cross-platform .] Software

 Methods El Library

web8ite new

Friendly

Professional 'I)' Support 1%"c"ggigurations

A convenient and space saving design thanks to our new approach to solvent delivery, detection and sample introduction. Our offer includes a digital library with hundreds of methods. This ensures ease of use for operators of all skill levels.

We combine high quality with value for money. Our approach to manufacturing allows us to pass on savings to the customer, meaning the Alltesta is highly competitive on the market. Ourteam of chemists and engineers left no stone unturned when researching chromatography's history for inspiration.

Several configurations for different needs and budgets are available. The basic kit is fully upgradable, meaning you can reduce your upfront costs. The complete kit constellation allows you to fulfill all your chromatography purposes. Therefore, your HPLC equipment grows as your needs grow.

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Website NEW: www.chromalytic.net.au E-mail: info@chromtech.net.au Tel: 03 9762 2034 . . . in AUSTRALIA

The web-application solves the problem of instrument control and data handling. Run injections and seq uences, record chromatograms, integrate peaks and estimate compounds.

Your cloud account us avaikble worldwide You can review progress m real-time The results are stored securely on the cloud

The intumve interface is designed to maximize xµF®8gHswgxu"" collect, process and share chromatoguphy

En iov seamless updates of the app and instruments firmwa re Software and driver mstal lation not required.

Vern led analytical methods are available in the app library. Consumables have a QR code to easily save your experiment s info rmation,





Autosampler

The Autosampler Frees Up Time and Handles Accuracy.

Compact autosampler has the capacity to hold 48 standard 2.0 ml vials or 96 wells plate to automate routines. This is fully integrated into the hold, cloud software, available from any place at any time.

Inexpensive and reliable automation for any analytical and liquid handling instrument. Comprehensive control with direct access to all of its features. Build a sequence, control injection order and assign a method to each sample.

Maximum pressure

5000 psi 100 pt. 4000 pt

100 µL standard

48 2mL vials or 96 wells plate

SS316, PEEK, PTFE, Vespel

5 lbs

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The S rin e Pump Delivers

I ---'-"' ' 0 Flow.

Designed for nearly every modern application that involves accurate flow metering. Suitable for diverse chemical and biomedical research areas where precise solvent dosing is required.

The syringe method of solvent delivery solves most problems associated with reciprocating pumps. Stable pulseless flow at any pressure. No solvent degassing required. Flow stability does not depend on the check valve performance. The pump is highly durable due to requiring one plunger stroke per analysis. Boasts a wide range of flow rates and fast refill times.

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Max Pressure

Flow Rate Resolution

Pressure Indi

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Sample introduction for "Basic" Alltesta

a sample the column

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"CEJv

Our High-pressure Switchina Valve

Pressure(max)

The Alltesta high pressure, high speed switching valve allows for several flow paths switching under high pressure

In a most affordable "Basic" setup, this valve eliminates the need for an autosampler by employing a fixed-volume injection loop and a manual syringe for sample introduction. The valve in "Flip" setup enables sample cleaning or column-switching for R&D purposes.



Liquid Ports

Number of ports

Contact with liquid

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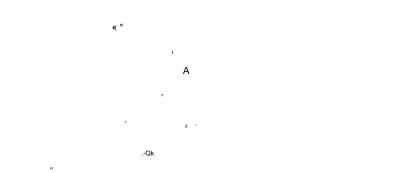
Switch time (60 degree)

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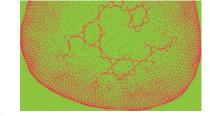


Novel Analytical Chromatographic System





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Verified analytical methods are available in the app library. Consumphiles have a OR code to easily save your experiments information.



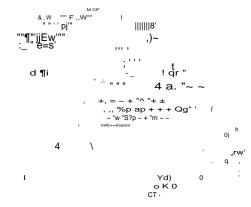
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Frees Up Time and Handles Accuracy.

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Inexpensive and reliable automation for any analytical and liquid handling instrument. Comprehensive control with direct access to all of its features Build a sequence, control injection order and assign a method to each sample.



Maximum pressure

Syringe Volume

Loop volume

Tray Capacity

Contact with liquid

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The S rin e Pump Delivers

I ---'-"' ' 0 Flow.

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Sample introduction for "Basic" Alltesta

Fining the loop with a sample Injecting the sample mo the column



meccu



Our High-pressure Switchina Valve

The Alltesta high pressure, high speed switching valve allows for several flow paths switching under high pressure

In a most affordable "Basic" setup, this valve eliminates the need for an autosampler by employing a fixed-volume injection loop and a manual syringe for sample introduction. The valve in "Flip" setup enables sample cleaning or column-switching for R&D purposes.

A:'''

Pressure(max) Switch time (60 degree) Liquid Ports Number of ports Contact with liquid

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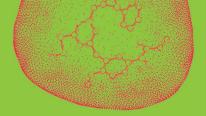


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Advantages

Taking a fresh look at an existing technology that hasn't changed in decades, we removed complexities and upgraded outdated components. The software has been completely overhauled. Now manage Alltesta systems, as well as access all data from your smartphone, tablet, or personal computer. Your data is effortlessly and securely stored.





Cross-platform Software





Friendly





User Friendly

A convenient and space saving design thanks to our new approach to solvent delivery, detection and sample introduction. Our offer includes a digital library with hundreds of methods. This ensures ease of use for operators of all skill levels

Cost Effective

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Flexible

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Your account is reachable by any internet ready device: PC, smartphone, tablet.



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HPLC.Cloud

The web-application www.hplc.cloud solves the problem of instrument control and data handling. Run injections and sequences, record chromatograms, integrate peaks and estimate compounds.





Your cloud account is available worldwide. You can review progress in real-time. The results are stored securely on

Privacy

We offer the possibility to self-host. Server is ready to use with a preinstalled HPLC Cloud software All sensitive data revealed by the Alltesta can be kept

on your intranet.



The intuitive interface is designed to maximize your productivity. This improves how you collect, process and share chromatography data



Undates

Enjoy seamless updates of the app and instruments firmware Software and driver installation not required.



Verified analytical methods are available in the app library. Consumables have a OR code to easily save your experiments information.





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Autosampler

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Inexpensive and reliable automation for any analytical and liquid handling instrument. Comprehensive control with direct access control injection order and assign a method to each sample.

Maximum pressure Syringe Volume

100 ու 4000 ու

Tray Capacity 48 2mL vials or 96 wells plate

SS316, PEEK, PTFE, Vespel

5000 nsi

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Pump The Syringe Pump Delivers Pulseless Liquid Flow.

Designed for nearly every modern application that involves accurate flow metering. Suitable for diverse chemical and biomedical research areas where precise solvent dosing is required.

The syringe method of solvent delivery solves most problems associated with reciprocating pumps. Stable pulseless flow at any pressure. No solvent degassing required. Flow stability does not depend on the check valve performance. The pump is highly durable due to requiring one plunger stroke per analysis. Boasts a wide range of flow rates and fast refill times.





There are two important advantages of a Gradient Alltesta system.

Max Pressure 4000 psi

Flow Rate Resolution Pressure Indication

Liquid Capacity 5000...

Flow Rate

1-2000 uL/min

Refill Speed

10 000 uL/min

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Valve

Our High-pressure Switching Valve Expands Opportunities.

The Alltesta high pressure, high speed switching valve allows for several flow paths switching under high pressure

In a most affordable "Basic" setup, this valve eliminates the need for an autosampler by employing a fixed-volume injection loop and a manual syringe for sample introduction. The valve in "Flip" setup enables sample cleaning or column-switching for R&D purposes.



Pressure (max)

5000 psi

Switch time (60 degree)

0.3 sec

Liquid Ports 10-32 UNE Number of ports

Contact with liquid

Injecting the sample into

56 ... 8

SS316, Vespel

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Detector

The Detector Sheds Light on the Analytes.

The Alltesta UV/VIS Detector is designed to continuously monitor the optical characteristics of the flow with up to 4 wavelengths simultaneously. The LED driven light source has zero warm up time along with great durability.

To eliminate hubble formation in the detector cell, we included a built-in back pressure regulator. The typical application is HPLC. but other applications such as Flow Injection Analysis (FIA) and preparative & flash chromatography can also be utilized.

Data Acquisition Rate

Up to 80 sps

Cell Pressure (max) 400 psi

Liquid Ports

10-32 IINE

Cell Volume 3 ut. 10 ut

Wavelength range 250....

Wavelengths

Noise level

0.05 mail Up to 4



Basic

Isocratic Solvent Delivery

Multiwavelength **UV-VIS Detector.**



Manual sample introduction.

The "Basic" configuration is the most no frills and affordable HPLC system whilst fully optimized for educational institutions. The perfect solution when only small numbers of samples need analysis.

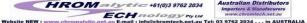


Basic Automated

- Autosampler - Pump - Detector

Autosampler injection.

Replacing valves with an autosampler allows automated analysis. This is a great setup when multiple analyses of the same type need to be carried out labor un-intensively.



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Gradient

Autosampler Injection, Multiwavelength **UV-VIS Detection.**



Gradient Automated

- Two Pumps - Autosampler - Detector

A laboratory workhorse, holds up to 48 samples or 96 wells

The "Gradient automated" configuration has 2 pumps to enable the delivery of gradient solvents.

This setting is intended for laboratories, universities and R&D departments. It will run several analyses via different methods

Gradient Automated Flip

Valve - Two Pumps - Autosampler - Detector

Two-column automated analysis for bio samples.

The "Gradient Automated Flip" setting has an additional valve. It is our most advanced HPLC system. This enables FlipLC functions or column switching capabilities

Configurations available for all sorts of analysis.

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Alltesta Mini

Complete functionality in a single unit

Offering small size, simplicity, and power to do most chromatography tests when automation is not required.

Alltesta Mini is the perfect analytical tool for education, onsite testing, monitoring production operations, and testing products in a small business setting when the lab is not available.

Easily upgrade your Mini with an additional pump and switching valve. If automated injection becomes required, you can upgrade the Mini by simply adding on our Alltesta Autosampler. If your product is not detectable by a UV detector, any other detector with an analog output can be supported.

Test products and chemicals anywhere by following an extensive portfolio of developed methods.

Regired Wires

Power & Ethernet Up to 20%

Schools & Universities Discounts



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Test products and chemicals anywhere

We offer a library of methods covering a wide range of compounds so you can easily separate complex natural samples like cannabis.

To let customers without experience in chemistry successfully perform analyses, we supply:

- Alltesta Chromatograph
- Chromatography column - Premixed solvents
- Reference standards
- Software with optimized method (settings)







Device Alltesta mini Vial D7 Method MeCN/MeOH/H2O/H2SO4 40/40/40/0.2% Run time 26 min Injection 30.0 µl in 30 sec Mobile phase .. MeCN/meOH/H2O - 40/40/20% Flow rate 0.20 mL/min Pressure min. 200 psi reach in 15 sec Column Cannsep C Serial CAC1QTDI6I Length × ID 100 × 2.1 mm Type CAC-21.100.0310 Particle, pore size 3 μm, 100 Å Lot CO4-008 Max pressure 5000 psi

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Peaks	+ Add peak	■ Delete peak	Q. Find peaks	∆ Download
laseline	→ Manual	Q. Find baseline		■ Compare
100		1		
80		1		
60			2	
40			3 4	
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0.1 mg/ml

-+ Delta-8-Tetrahwfoorannahinol (8-THC)

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Custom

Application Development.

To help companies and individuals benefit from the use of HPLC, SIELC Technologies offers a free and fully confidential method development service. We'll enjoy the opportunity to assist in column and mobile phase selection, saving you time and money. Samples will be screened on up to six different stationary phases.

Enjoy analysis by SIELC's team of experienced and talented chromatographers. Fast turn around and full methods explained. LC/MS/ELSD compatible. Scalable for preparative chromatography.

The Alltesta HPLC can be used with any commercial analytical column, SIELC offers a full range of columns with the latest column technology to encompass most applications along with tried and tested methods for tailored Alltesta usage.

Applications ready to use now

Small hydrophobic molecules, various drugs and chemicals	Newcrom R1, Legacy L1	Reverse phase C18 type (ODS)
Separation of polar molecules in high organic mobile phase	Primesep N, Obelisc N	Normal phase HILIC type
Dual charged column with basic surface for very basic molecules	Obelisc R	Reverse phase/cation-anion exchange
Latest mixed-mode technology for all types of separations.	Newcrom A, AH	Reverse phase/cation exchange
Complimentary mixed-mode columns for all types of separations	Newcrom B, BH	Reverse phase/anion exchange
Original mixed-mode column set with the longest usage history	Primesep A, 100, 200, C, 500	Reverse phase/cation exchange
Separation of inorganic anions, and acidic polar molecules	Primesep B, D, SB	Reverse phase/anion exchange
Cannabinoids specific column	Cannsep A, B, C	Reverse phase with very polar groups
Separation of polar molecules in non aqueous mobile phases	SHARC 1	Hydrogen bonding interaction column
Peptides and proteins separation columns	Promix AP, MP, LP	Reverse phase/ionic interaction
Chiral separation of small molecule complimentary columns set	Ciralia A, C, J	Chiral amylose and cellulose chemistry



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Request a 1 month free trial and quotes.

Fill out the application at hole.cloud/try





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