

Technical Product Datasheet “I Know” Analytical Quaternary Gradient UPLC System PDA Detector with Your PC

Supplier

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“I Know” Automated Analytical Quaternary Gradient UPLC System producing 3 D Spectra using Your PC



Article No. ASB0500X

Highly effective and cost competitive Analytical Quaternary Gradient UPLC System for use in research and industrial applications. This advanced System comprises automated Autosampler with 2x48 vials, Gradient Box with Degasser that also houses safe container for mobile phase bottles, analytical HPLC pump, Column Oven with heating and cooling facility and Analytical Diode Array Detector that measures at eight wavelengths simultaneously or performs full scan.

This system uses **your** PC including screen and keyboard and Ethernet connection to the System. We supply the Clarity Software that requires to be installed in your PC.

There are many highly skilled chromatographers working in Institutions and Industry. They know precisely what is required to work efficient and effective in solving their assigned problems for their employers. Unfortunately, there is also a growing trend to be told what tools Chromatographer can procure and from whom. It is not productivity that drives the decision it is control. Life sciences and Health sector can only progress with growing innovation and productivity. Competent Chromatographers know that. When procuring instruments, they make sure that they can contribute to this trend. “I know” is for such Chromatographers who know what to do.

In the past few years, the large mainstream chromatography companies argued that artificial intelligence will take over chromatography. This proposition forgets the fundamental reason why we work and create progress through innovation. The human population is expanding, and everybody is trying to acquire skills and to create more value. If we shift this process into machine, we create unemployment and we must finance the subsistence of those people that have been replace with machines.

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We discovered that chromatographers that maintain and repair their tools have deeper skills and better job stability. In the post Corona era work will be performed by more start-up companies and in remote places. The cost of maintaining such tools will raise and productivity will suffer. We will teach and assist our clients with remote technologies to maintain their instruments with original high-quality spare parts and

Chromatography is not only method development. Chromatography is more an art than a science. It is also innovation and productivity improvement. Chromatographers that take care for their equipment are better innovators are more productive and have better job stability.

Components of the “I Know” Automated Analytical Quaternary Gradient UPLC System producing 3 D Spectra using your PC

One Consensus Autosampler 3320 for 2x48 vials. Art. Nr. ARA03320

One Consensus Gradient box 2004B with in-built high-efficiency vacuum degasser and four-way gradient valve. Up to four solvent lines may be degassed simultaneously by one unit. Four-way gradient valves are controlled from the Consensus Pump 2010. There is also a secure mobile phase bottles installation and a PC. Art Nr. ABA0000X

You supply you locally procured PC with Window 10 operating system, Screen, Keyboard and Ethernet cable to the HPLC system

Communication of units is through Ethernet (LAN).

We supply the relevant CLARITY CHROMATOGRAPHY SOFTWARE: This software fully controls the “I Know” System. The Clarity software package comprises (1 Clarity – Station for 1 instrument, Art Nr. AP000C50, 1 Clarity module for HPLC control, Art Nr. AP000A24, 1 Clarity SW module for AS control, Art Nr. AP000A26, 1 Module for PDA data Clarity (SW), Art Nr. AP000A29. Clarity software complies to CFR21GLP requirements

One Consensus Analytical Quaternary Gradient HPLC Pump 2010. Flow rate range is 0.01-10 ml/min and pressure limit at 60 MPa. Unit software includes new learning algorithm for pulsation suppression and many testing and diagnostic functions. Art Nr ACF0000X

Consensus Column Oven 2080 with heating and cooling mechanism Art Nr. AOA0000X
This column oven allows precise temperature stabilization in the range 0-80°C. A big compartment room can accommodate up to 3 columns with length up to 25 cm. Peltier technology offers the possibility of heating and cooling independently from room temperature.

One Consensus UV-VIS PDA DETECTOR A2800, The Analytical Diode Array Detector measures at eight wavelengths simultaneously or performs full scan from 200 to 800 nm. It empowers you to see the spectra as 3 D pictures that you can cut in wavelength or time spectra. Noise level $\pm 5 \times 10^{-6}$ AU. AD 05 analytical cell is included.

One Set Accessories for Analytical System Art, Nr. ASA00180

Attention: Chromatography Column is not included in our offer.

From time to time the data sheets are adapted to the latest technical status. Always use the latest data sheets!
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