ON-LINE UV-VIS DISSOLUTION

TELEDYNE HANSON ON-LINE UV-VIS

Teledyne Hanson in collaboration with partners Shimadzu and Wega Informatik offers four online UV-Vis configurations for your Vision® G2 Classic 6™ and G2 Elite 8™ dissolution testers. Each configuration incorporates the Hanson UV-1900 Series by Shimadzu, the spectrophotometer with the highest resolution in its class, and cutting-edge software for pharmaceutical dissolution testing, ARGUS/Dissolution, from Wega Informatik.

UV-1900 Series: W110 x D250 x H115 mm

TELEDYNE HANSON UV-1900 Series

The UV-1900 Series is a compact, double-beam UV-Vis spectrophotometer wrapped in a sleek form. Made by Shimadzu for Teledyne, the UV-1900 Series uses the Czerny-Turner mounting for its monochromator, has the highest resolution in its class, with a bright optical system and a compact design. The USB-memory ready system allows analysts to save measurement data to USB to perform data analysis and print using a PC.

ARGUS/DISSOLUTION

ARGUS/Dissolution is a revolutionary scientific dissolution data management software tool for instrument control and advanced data acquisition, management, processing and reporting. Whether you perform dissolution tests occasionally or several times per day, ARGUS/Dissolution will make you more productive in running tests and analyzing results. Developed according to regulations set forth in 21 CFR Part 11, ARGUS/Dissolution automatically creates detailed audit trails to record changes of methods, analyses, system configurations, and other relevant data. The client-server architecture of the ARGUS platform perfectly fits into your corporate network to control your dissolution tester hardware, retrieve and store methods from a documents database, and more. ARGUS/Dissolution simplifies how you collect and report dissolution test results by letting you choose the analysis template that matches the way you work.

- 21 CFR Part 11 compliant
- Quick analysis setup
- Input validation
- Lead time check
- Spectroscopy
- Chemometry
- Profile comparison

ON-LINE UV-VIS DISSOLUTION

CLOSED LOOP SYSTEM WITH PERI-PUMP

Vision® G2 Classic 6™ or Elite 8™ | UV-1900 Series | Ismatec Peri-Pump | PC with ARGUS

The Closed Loop system is ideal for those who only want their samples analyzed and returned right back into the dissolution vessels. This configuration utilizes an Ismatec Peri-Pump to pull samples directly from your Vision dissolution tester. Samples pass through the UV-1900 Series, connected to a Windows workstation operating ARGUS/Dissolution software, where they are measured and analyzed. After analysis, samples are returned to their original vessels, thus closing the system loop.

SINGLE-BATH DETECT & COLLECT

Vision® G2 Classic 6™or Elite 8™ | Vision® AutoPlus™ with AutoFill™ | UV-1900 Series | PC with ARGUS

The Single-Bath Detect & Collect system allows for collection of samples that have been pushed through the UV-1900 Series spectrophotomoter connected to a Windows workstation running ARGUS/Dissolution software. After analysis, samples are collected in the Vision AutoFill.

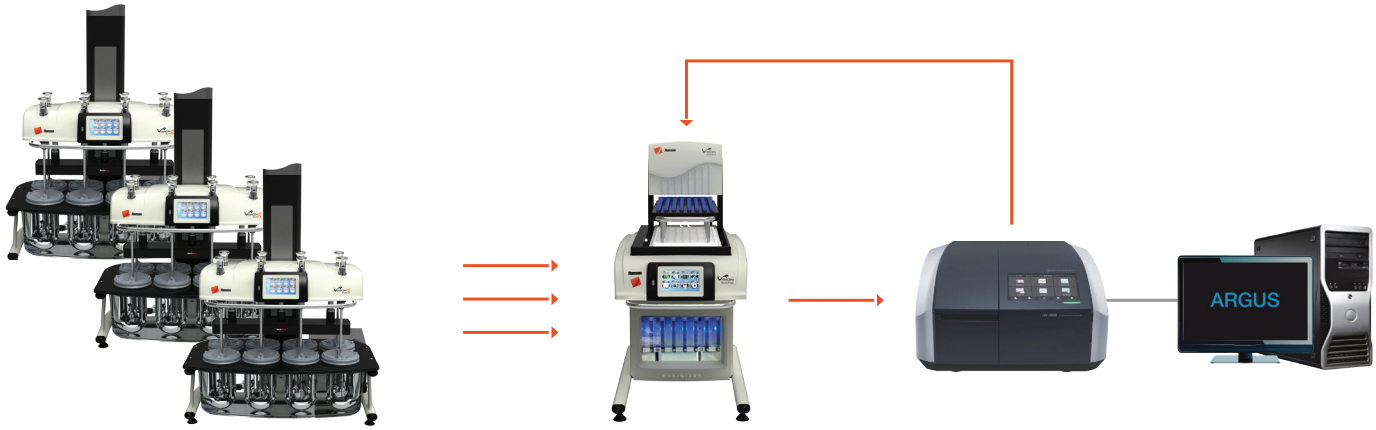
SYSTEM CONFIGURATIONS

TWO-BATH DETECT & COLLECT

Vision® G2 Classic 6™or Elite 8™ | Vision® AutoPlus™ with AutoFill™ | UV-1900 Series | PC with ARGUS

The Two-Bath Detect & Collect system expands on the Single-Bath Detect & Collect system, providing the ability to sample from two Vision dissolution testers during the same test. The system employs two Vision G2 Classic 6 dissolution testers or two Vision G2 Elite 8 dissolution testers, configured with AutoMag™ or SuperMag™ magazines. Precision aliquots are withdrawn from the dissolution tester by the Vision AutoPlus autosampler and pushed through the UV-1900 Series spectrophotomoter connected to a standard Windows workstation running ARGUS/Dissolution software. After samples are measured and analyzed, they are collected in the Vision AutoFill.

THREE-BATH DETECT & COLLECT



Vision® G2 Classic 6™or Elite 8™ | Vision® AutoPlus™ with AutoFill™ | UV-1900 Series | PC with ARGUS

The Three-Bath Detect & Collect system provides the capability to analyze and collect samples from three Vision G2 Classic 6 dissolution testers, or three Vision G2 Elite 8 dissolution testers paired with AutoMag™ or SuperMag™ magazines. Samples are pulled, analyzed, and collected in the same manner as the Single-Bath Detect & Collect and Two-Bath Detect and Collect systems.

ORDERING INFO

For more information, please contact your local Teledyne Hanson Research representative or email us at: hansonsales@teledyne.com

SPECTROPHOTOMETER COMPONENTS

The following spectrophotometer components are common to all on-line UV configurations:

61-572-501 Hanson UV-1900 Series UV-Vis Spectrophotometer System

Includes spectrophotometer, high-speed USB 2.0 cable, and 8-cell positioner.

Q-PAK™ QUALIFICATION GUIDELINES

61-572-505 UV-1900 Sereis UV-Vis Spectrophotometer

FLOW CELLS

Determine the flow cell options appropriate for your intended method. Order the necessary quantities of each size.

91-450-101 UV Flow Cell, 1 mm

91-450-102 UV Flow Cell, 2 mm

91-450-103 UV Flow Cell, 5 mm

91-450-104 UV Flow Cell, 10 mm

CLOSED LOOP SYSTEMS

The closed-loop system configuration requires one dissolution tester and one spectrophotometer system with flow cells.

61-572-104 Closed-Loop System Software and Accessories Kit

Includes Ismatec Peri-Pump; Ethernet switch; all cables and tubing needed for single-bath closed-loop setup; ARGUS/Dissolution software licensed for single bath; and ARGUS software validation package (21 CFR Part 11 compliant).

Q-PAK™ QUALIFICATION GUIDELINES

61-572-108 Validation Guideline, Peri-Pump

DETECT AND COLLECT SYSTEMS

Detect-and-collect configurations require one, two, or three dissolution testers; AutoPlus autosampler with AutoFill fraction collector; and spectrophotometer system and flow cells.

Choose one software and accessories kit depending on the number of baths. Each kit contains an Ethernet switch and all tubing and cables needed to connect your tester(s), autosampler, and computer workstation; ARGUS/Dissolution software package licensed for the specified number of baths; and ARGUS software validation package (21 CFR Part 11 compliant).

61-572-101 Single-Bath Detect and Collect Software and Accessories Kit

61-572-102 Two-Bath Detect and Collect Software and Accessories Kit

61-572-103 Three-Bath Detect and Collect Software and Accessories Kit

WORKSTATION REQUIREMENTS

ARGUS/Dissolution software requires:

- Windows 7 or higher (32-bit or 64-bit)
- Intel® Pentium® III or compatible at 800 MHz or better
- Minimum of 1 GB RAM
- 200 MB of available hard disk space
- Display resolution 1280 x 1024 or higher, 256 colors or better
- CD-ROM drive (for installation)
- RS232/Ethernet/USB (adapters can be used)

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