

HANSON ON-LINE UV-VIS

In conjunction with worldwide partners Shimadzu and Solvias, Hanson Research presents four On-Line UV-Vis system configurations for your Vision® G2 Classic 6™ or G2 Elite 8™ dissolution tester. Each system configuration incorporates the Shimadzu UV-1800, the spectrophotometer with the highest resolution in its class, as well as cutting-edge ARGUS/Dissolution application software from Solvias for pharmaceutical dissolution testing.



SHIMADZU UV-1800

The Shimadzu UV-1800 is a compact, double-beam UV-Vis spectrophotometer wrapped in a sleek form. The UV-1800 uses the Czerny-Turner mounting for its monochromator, and boasts the highest resolution in its class, a bright optical system, and a compact design. Like Vision instruments, the UV-1800 is USB-memory ready, which enables you to save measurement data to highly versatile USB memory, and perform data analysis printing using a PC.



UV-1800: 450 (W) x 490 (D) x 270 (H) mm

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 each 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.

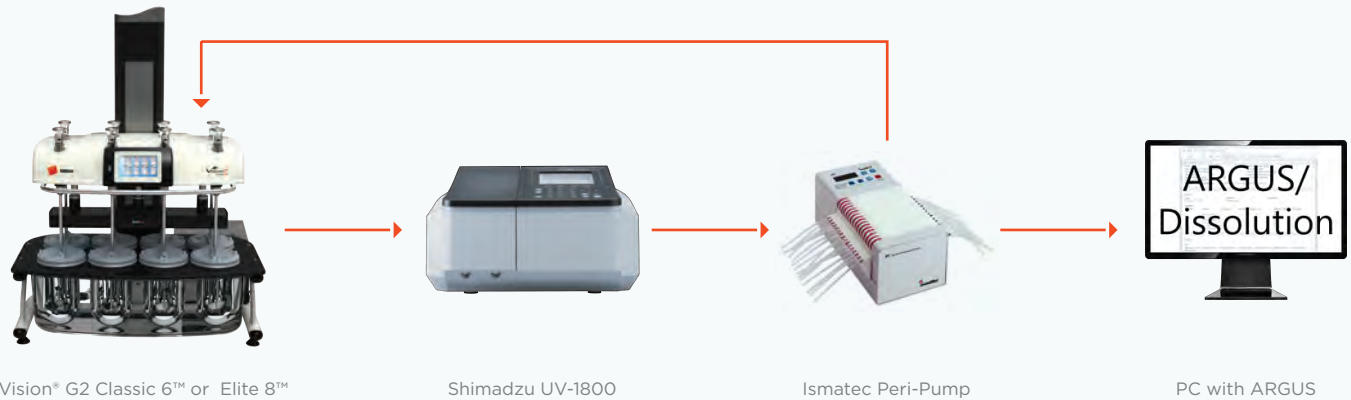


ARGUS/Dissolution is an all-in-one solution for R&D and quality control.

- 21 CFR Compliance (audit trail)
- Input Validation
- Client-Server Architecture
- Quick Analysis Setup
- Lead Time Check
- Spectroscopy
- Chemometry
- Profile Comparison
- Report Layout

HANSON'S ON-LINE UV-VIS SYSTEM CONFIGURATIONS

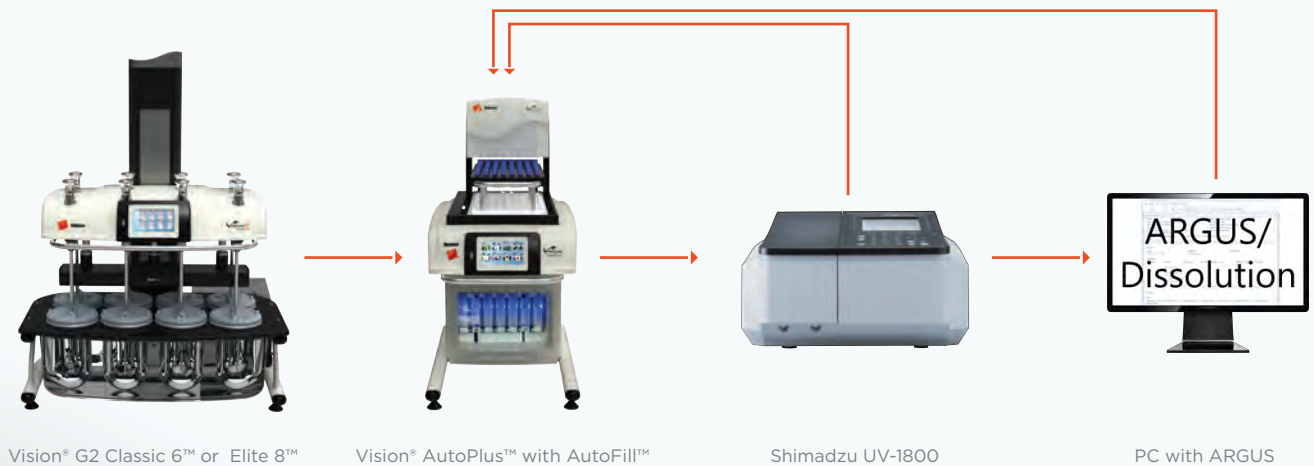
For information on optional flow cells, please go to the Ordering Information section.



1.

CLOSED LOOP WITH PERI-PUMP

The Closed Loop with Peri-Pump 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 that pulls samples directly from your Vision dissolution tester. Samples pass through the Shimadzu UV-1800 that is connected to a standard PC operating ARGUS/Dissolution software, where they are measured and analyzed. After samples are measured, they are returned right back into their original vessels, thus “closing” the entire system loop.



2.

DETECT & COLLECT - 1-BATH

The Detect & Collect - 1-Bath system allows for the collection of samples in a sample collector after they have been measured and analyzed by the Shimadzu UV-1800. This configuration utilizes a Vision G2 Classic 6, or the G2 Elite 8 paired with the AutoMag™ or SuperMag™ magazine. Precision sample aliquots are withdrawn by the Vision AutoPlus autosampler from the dissolution tester and pushed through the Shimadzu UV-1800 connected to a standard PC operating ARGUS/Dissolution software. After samples are measured and analyzed, they are collected in the Vision AutoFill.



3. DETECT & COLLECT - 2-BATH

The Detect & Collect - 2-Bath system expands on the Detect & Collect - 1-Bath system by adding the ability to sample from two Vision dissolution testers during the same test. The Detect & Collect - 2-Bath system employs two Vision G2 Classic 6 dissolution testers, or two Vision G2 Elite 8 dissolution testers paired with AutoMag™ or SuperMag™ magazines. Precision sample aliquots are withdrawn by the Vision AutoPlus autosampler from the dissolution tester and pushed through the Shimadzu UV-1800 connected to a standard PC operating ARGUS/Dissolution software. After samples are measured and analyzed, they are collected in the Vision AutoFill.



4. DETECT & COLLECT - 3-BATH

The Detect & Collect - 3-Bath system gives you the capability to analyze and measure 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 Detect & Collect - 1-Bath and 2-Bath systems.

ORDERING INFORMATION

For more information, please contact your local Hanson representative or email us at sales@hansonresearch.com

Closed Loop with Peri-Pump Component Requirements

The Closed Loop with Peri-Pump system includes everything you need to connect your Vision dissolution tester and PC including: Ismatec Peri-Pump, tubing, connectors, Ethernet switch, software drivers, and validation documents. 21 CFR Part 11 Compliant.

61-572-104 On-Line UV - Closed Loop w/ Peri-Pump

Detect & Collect - 1-Bath Component Requirements

The On-Line UV Detect & Collect - 1-Bath system includes everything you need to connect your Vision dissolution tester, autosampler, and PC including: tubing, connectors, Ethernet switch, software drivers, and validation documents. 21 CFR Part 11 Compliant.

61-572-101 On-Line UV - Detect & Collect - 1-Bath

Detect & Collect - 2-Bath Component Requirements

The On-Line UV Detect & Collect - 2-Bath system includes everything you need to connect your Vision dissolution tester, autosampler, and PC including: tubing, connectors, Ethernet switch, software drivers, and validation documents. 21 CFR Part 11 Compliant.

61-572-102 On-Line UV - Detect & Collect - 2-Bath

Detect & Collect - 3-Bath Component Requirements

The On-Line UV Detect & Collect -3-Bath system includes everything you need to connect your Vision dissolution tester, autosampler, and PC including: tubing, connectors, Ethernet switch, software drivers and validation documents. 21 CFR Part 11 Compliant.

61-572-103 On-Line UV - Detect & Collect - 3-Bath

Flow Cell Options for All Configurations

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

Minimum PC Requirements for ARGUS/Dissolution

- Windows 7, or higher (32 and 64 bit).
- 1 GB RAM minimum
- 1280 x 1024 screen
- CD drive
- > 1 GHz CPU
- 200 free disk space

Q-Pak™ Self-Installation Procedure

61-572-108 Q-Pak, On-Line UV Systems
(for Closed Loop w/ Peri-Pump)