

VISCPRO® II software provides a flexible instrument interface for controlling and operating CANNON® instruments. VISCPRO includes LIMS-compatible reporting, analysis modules for processing and displaying sample data, and a powerful database for archiving and retrieving stored data.

#### CANNON® Instruments:

- CAV® 4.2
- CAV® 2000 Series
- miniAV® Series
- miniPV® Series
- miniQV®-X

# VISCPRO® II Software

## Software Interface Application for CANNON® Automated Viscometry Instruments

### Product Features & Benefits

#### Intuitive interface

A traditional Windows® interface provides clean, intuitive interaction with a variety of CANNON® automated viscometry instruments:

- easy entry of sample information
- complete control of sample measurement parameters
- readily visible instrument status
- management of multiple instruments from a single VISCPRO system
- adjustable window layouts

#### Test data, LIMS compatibility, and printing

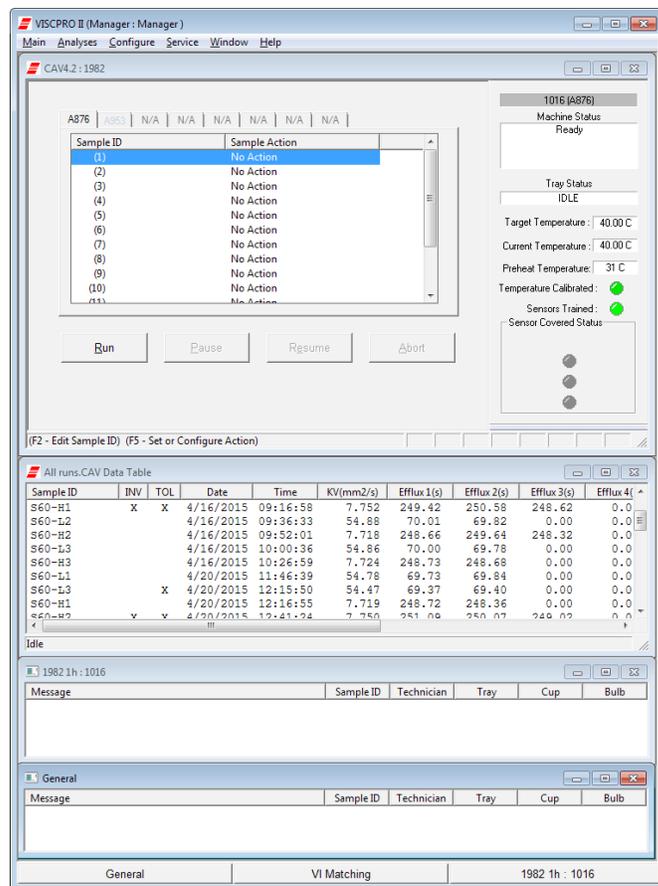
Test results are stored in a standard Microsoft® Access database:

- customizable data analysis windows
- direct printing from data analysis windows
- easy database import into other Windows® based software
- customizable data export to text or CSV file or com/USB/parallel port streaming that is compatible with both modern and legacy Laboratory Information Management System [LIMS]
- sample ID import from a file or barcode
- automatic sequential sample ID numbering
- log instrument diagnostic information

#### Instrument specific features

Refer to instrument flyers for more details:

- powerful dilute solution polymer equations and graphing
- multiple temperature scanning
- control preconditioning of samples and sample vial cleaning after testing
- viscosity index [VI] matching analysis package with viscosity measurement at a third calculated temperature



#### Security

Security features track activity and prevent unauthorized individuals from altering sensitive parameters:

- unique password protected login levels for service, managers and technicians
- each operator may be assigned a unique login that is stored with the data for tests run by the operator
- VISCPRO II can be used in a 21 CFR Part 11 compliant system. All measurement parameters are password protected. Data integrity is achieved by exporting measurement results to a file or to a serial port at the completion of the measurement.



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## Computer Specifications for VISCPRO® II Software

Following are recommended requirements for operation of the following CANNON® instruments:

CAV® 4.2, CAV® 2000 Series, miniAV® Series, miniPV® Series, miniQV®-X

### Minimum recommended requirements

Component	Description
Operating System	MS Windows® XP, 7, 8, 8.1, 10
Computer	Should meet Microsoft's recommended requirements for the selected operating system
Other drives	CD-ROM or DVD [for installing software]
Ports	RS-232 9-pin serial port preferred. Optional PCI slot on desktop style PC for serial PCI card*. Some approved USB-to-serial converters will also work for certain models [inquire with technical sales or service representative for details].  An ethernet connection is required for the CAV 4.2. An optional USB to Ethernet adapter is provided.
Printer	Windows compatible printer

\* See Application Note 0705211 for more information. PCI board with serial output available from CANNON Instrument Company.

## PC Computer Compatibility Disclaimer

Every attempt has been made to ensure compatibility of your new CANNON® equipment [both hardware and software] with the latest available PC technology. However, because this technology is continuously being advanced and improved, we cannot guarantee compatibility of existing CANNON® equipment with future PC hardware and software.

## Selecting PCs for use with new CANNON® equipment

Customers who are selecting a PC computer for use with a specific CANNON® product should use the above chart as a minimum recommended PC configuration. There are a vast number of different PCs with varying hardware and software configurations available on the market today. CANNON® cannot verify nor guarantee the compatibility of any specific PC other than those that are available for sale by CANNON®. Please check with our customer service department for the availability of PC computers that have been specifically selected and tested to operate with your CANNON® product.

## Upgrading PCs with existing CANNON® equipment

If it is necessary to change and/or upgrade the PC that is currently being used with a CANNON® product, please contact CANNON® customer service for current compatibility information. Periodically we offer software upgrades, which have been designed to operate with the latest PC specifications. These upgrades do not, however guarantee compatibility with all PC configurations.

CANNON Instrument Company® provides a variety of physical property testing equipment and consumables [vials, bath fluids, and reference materials] for your testing needs. To learn more, contact [sales@cannoninstrument.com](mailto:sales@cannoninstrument.com).



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