

PulpVIS® is a single sample, portable viscometer with built-in TE cooling for testing pulp at 20 °C or 25 °C. It is easy to use, rugged and fast. Available tubes cover the TAPPI viscosity range of 0.8 mPa·s [cP] to 190 mPa·s [cP] at 20 °C and 25 °C.

Common Applications

- Pulp & paper mills
- Cellulose production
- Private and commercial test labs
- Academic research

PulpVIS®

Portable Kinematic Viscometer

For True Pulp Viscosity Measurement
TAPPI T230/PAPTAC G.24P

Product Features & Benefits

Automated and precise determination of direct kinematic viscosity at 20 °C or 25 °C*

- Provides pulp viscosity measurement without the need to correlate dynamic viscosity data
- Viscosity range: 0.8 mPa·s [cP] to 190 mPa·s [cP] at 20 °C and 25 °C. Values are presented in mPa·s [cP] when the TAPPI T230 specified density value is entered.
- Follows TAPPI T230/PAPTAC G.24P and offers near ASTM D445 precision due to exceptional temperature control (± 0.05 °C)
- Rapid cycle time of 3 to 5 minutes from sample injection to test result

Portable, self-contained and dependable

- Weighs approximately 10 lb and takes up less space than a coffee maker
- Does not require a PC or any external utilities
- Optional power inverter enables the instrument to run off of a 12 Vdc vehicle charging port
- Rugged, reliable design has only two moving parts

Simple & safe operation

- Graphical touch screen provides step by step test instructions
- Factory calibrated; no gauges or valves to adjust
- Solid-state temperature control eliminates need for liquid bath
- Intrinsically safe unit operates on 12 Vdc power
- Optional printer available

Economical

- Low cost of ownership
- Requires only 10 to 15 mL of solvent and 0.5 mL of sample per test
- No sample vials required; sample is injected directly into the instrument

* User selectable



Everything required
to begin testing is
included except the
sample and solvent!

CANNON
INSTRUMENT COMPANY

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PulpVIS® Portable Kinematic Viscometer

Ordering Information

PulpVIS® Portable Kinematic Viscometer consists of the viscometer unit, AC/DC adapter, power supply cord, pipettor, waste bottle with media cap, solvent container, waste plug and tubing, cleaning syringe assembly, certified viscosity check standards and instructions. The unit is pre-calibrated at 20 °C and 25 °C. A computer is not required.

Description	Part #
100 VAC to 230 VAC, 50/60 Hz	9725-S15

Accessories & Consumables

Description	Part #
Compact dot matrix printer with cable and power supply	82.0067
Printer paper [roll]	02.0016
Printer ribbon [each]	82.0059
Dostmann digital thermometer	61.5600
Thin smart probe (for use with Dostmann digital thermometer)	61.5602
Hard field-portable case	82.1008
Pipettor	82.0055
Reusable pipette tips [10/pk]	82.0054
Pipette seals [10/pk]	82.0056
Pocket power inverter [100 W] for 12 Vdc vehicle charging ports	82.0083
Solvent container/wash bottle	82.0076
Cleaning solvent [4 x 450 mL bottles]	82.0210*
Cleaning solvent [450 mL bottle]	82.0200.016*
SV3 certified viscosity reference standard for 20 °C/25 °C [4 oz]	03.5942.004
SV20 certified viscosity reference standard for 20 °C/25 °C [4 oz]	03.5946.004

* NOTE: Hazardous shipping fees may apply

Product Specifications

Dimensions [W x D x H]	13.0 cm x 37.0 cm x 31.0 cm [5.0 in x 14.0 in x 12.0 in]
Weight	5.6 kg [12.3 lb]
Shipping dimension [W x D x H]	48.3 cm x 48.3 cm x 20.3 cm [19.0 in x 19.0 in x 8.0 in]
Shipping weight [with all items]	9.5 kg [21.0 lb]
Max. throughput	20 tests/hr
Sample capacity	1
Viscosity range	0.8 mPa·s [cP] to 190 mPa·s [cP] at 20 °C and 25 °C* *Values are presented in mPa·s [cP] when the TAPPI T230 specified density value is entered
Test accuracy	<3% of measured value, calibrated
Test repeatability	<2% of measured value, typical
Temperature range & accuracy	20 °C or 25 °C* [± 0.05 °C]
Minimum sample/solvent volume	Sample volume: 0.5 mL per test Solvent volume: 10 to 15 mL per test
Solvent compatibility	Internal wetted components compatible with acetone and CED [cupri-ethylenediamine solution]* *Upgrade available for use with toluene/n-heptane
Operating conditions	15 °C to 30 °C, 10% to 75% relative humidity [non-condensing], Installation Category II, Pollution Degree 2
Electrical specifications	Input power: 11 to 13 Vdc at 8 A peak AC/DC adapter: 100 VAC to 230 VAC, 50/60 Hz; 120 watts power consumption
Compliance	CE Mark; EMC directive [2004/108/EC]; Low voltage directive [2006/95/EC]; HI-POT [1900 Vdc, 60 sec.]; ROHS
Data output	RS-232 via DB9 connector

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.



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