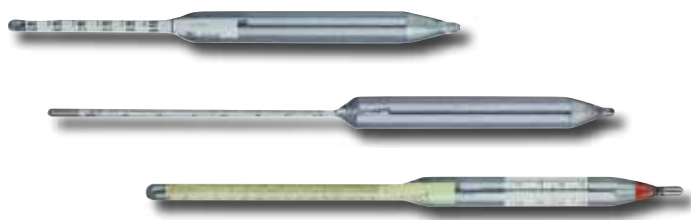


Hydrometers



Specific Gravity Hydrometers

General purpose. All plain form. 305 mm (12") long.

Model	Description	Range	Subdiv.	Price
1910	Light Liquids	0.700/0.810	0.001	\$33
1911	"	0.800/0.910	0.001	\$31
1912	"	0.900/1.000	0.001	\$33
1981	Heavy Liquids	1.000/1.220	0.002	\$41
1982	"	1.200/1.420	0.002	\$36
1983	"	1.400/1.620	0.002	\$41
1984	"	1.600/1.820	0.002	\$22
1985	"	1.800/2.000	0.002	\$22

Specific Gravity Set

Contains 8 hydrometers listed above covering the ranges 0.700/2.000. A thermometer with a range of 0/230°F with 2°F subdivisions is included. Supplied in a sturdy foam cushioned carrying case with handle.

Model	Description	Price
100/C	Specific Gravity Hydrometer Set	\$246

BRIX Hydrometers

Calibrated to show the percent of sucrose by weight at 20°C. All plain form.

Model	BRIX Scale	Subdiv.	Length	Price
2072	50 - 70% Sugar	0.5%	9"	\$29
2110	0 - 10% Sugar	0.1%	12"	\$27
620-2008	0 - 12% Sugar	0.1%	13"	\$22

Viscosity Meters



Simple and rugged Viscotesters provide a fast, accurate determination of viscosity in non-Newtonian materials. Merely immerse the spindle in the test material and flick the switch. The viscous drag on a rotating cylinder - driven by a governor-controlled micro-motor - produces a deflection on the calibration scale, proportional to the viscosity of the test material. Direct readout of viscosity in centipoises. Unequaled for on-the-spot measurements in the plant, laboratory, or out in the field.

TWO MODELS TO CHOOSE FROM:

Low Range Model VT-03. Covers 2 to 330 centipoises, complete with three interchangeable rotors, two sample cups, and batteries.

High Range Model VT-04. Covers 30 to 400,000 centipoises. Complete with three interchangeable rotors, one rotor extension - extends the rotor arm by 1, 2 or 3 feet for use in deep vessels or high temperature fluids, one sample cup, and batteries.

Specifications:

Ranges:	Low:	2 to 330 centipoises
	High:	30 to 400,000 centipoises
Accuracy:		±3% of full scale
Motor Speed:		62-1/2% of RPM
Power:		4 ea. 1.5V "AA" batteries
Dimensions:		7" x 4" x 1-1/2"
Weight:		1.3 lb. w/ batteries

Model	Description	Price
VT-03	Low Range Viscotester	\$2560
VT-04	High Range Viscotester	\$2560

Viscosity Cups

Zahn Viscosity Cups determine the flow time of paints, coatings, enamels, oils and other similar liquids. A conically shaped steel cup delivers 44 cc's of liquid sample through a precision orifice. A twelve inch looped stainless steel handle allows the cup to be dipped by hand into a liquid container. At the top of this handle is a stainless steel split key ring for aligning the cup in a true vertical position when conducting tests.

Principle of operation:

To conduct a test, measure and record the temperature of the material that is encompassed by the cup. At the same that the cup is withdrawn from the material, start a timing device. Carefully observe the efflux stream and at the first distinct break in the stream near the base of the cup stop the timing device. Record the number of seconds of efflux, including the cup type and number.

Specifications:

Capacity:	44 cc's
Inside Height:	2.233"
Inside Diameter:	1.292"
Wall Thickness:	0.03125"
Total Weight:	100 g



Five sizes to choose from:

Cup No. 1: Orifice Size: 0.078"; Range: 31-60 sec. The Number One Zahn Cup is generally used for very thin mixtures where low solids application is desired.

Cup No. 2: Orifice Size: 0.108"; Range: 19 - 60 sec. The Number Two Zahn Cup is primarily used for all mixed paints which have been reduced with solvent for application. Used by the automotive and similar industries.

Cup No. 3: Orifice Size: 0.146"; Range: 13-60 sec.

Cup No. 4: Orifice Size: 0.168"; Range: 12-60 sec. The Number Three and Four Zahn Cups are used for higher solids application where extra heavy films are desired.

Cup No. 5: Orifice Size: 0.208"; Range: 10-60 sec. The Number Five Zahn Cup is generally used for checking the viscosity of unthinned paints prior to reduction with solvent.

Model	Description	Price
VI-2101	Viscosity Cup No. 1	\$254
VI-2102	Viscosity Cup No. 2	\$254
VI-2103	Viscosity Cup No. 3	\$254
VI-2104	Viscosity Cup No. 4	\$254
VI-2105	Viscosity Cup No. 5	\$254

Viscosity Cups

Features:

- The process of flow through an orifice can be used as a relative measurement and classification of viscosity
- For viscosity measurements of very thin paints, inks, solvents, lacquers, adhesives and coating materials of all kinds
- Design of the bottom of the cup causes all material draining from the outside of the cup to flow away from the orifice and not to influence the rate of flow from the orifice
- Conversion tables relating efflux time in seconds to viscosity in centistokes are furnished with each cup
- Easily removable "snap in, snap-out" orifices (production tolerances permit interchange of orifices without loss of cup accuracy)
- For use in the field and the laboratory
- Calibration traceable to N.I.S.T.

MINI FORD VISCOSITY CUPS:

- Compatible to ASTM D1200
- Alodine finished machined aluminum with removable brass orifices

MINI ISO VISCOSITY CUPS:

- Compatible to ISO 2431 and ASTM D5125
- Machined from solid aluminum bar stock with removable stainless steel orifices



Viscosity cups compatible with ASTM D 1200 (Ford)

Model	Cup #	Viscosity Range	Flow Times	Average	Price
VI-3321	1	12-40 cSt	30-60s	1.0 cSt/s	\$349
VI-3322	2	25-120 cSt	18-50s	2.8 cSt/s	\$349
VI-3323	3	29-273 cSt	12-60s	5.0 cSt/s	\$349
VI-3324	4	53-441 cSt	10-60s	7.6 cSt/s	\$349
VI-3325	5	215-1413 cSt	10-60s	25.0 cSt/s	\$349

Viscosity cups compatible with ISO 2431

Model	Orifice ø	Viscosity Range	Flow Times	Average	Price
VI-6023	3mm	4.6-52 cSt	27-120s	.05 cSt/s	\$390
VI-6024	4mm	19-163 cSt	21-120s	1.4 cSt/s	\$390
VI-6026	6mm	84-843 cSt	17-120s	7.1 cSt/s	\$390