

“Viscosity measurement in Oil Analysis Laboratories has reached a new performance level.”

Proper tube sizing is important for accurate and repeatable viscosity measurement. Other high speed viscometer tubes are designed to operate in a narrow viscosity range. This has been a limitation for the lab that must test a wide variety of lubricants. Being cost effective had meant sacrificing performance.

No Longer! The TriVisc tube will accurately measure the viscosity of a very light hydraulic oil, an engine oil, or even a high viscosity gear lube - in the same viscometer tube. There is no need to sort samples.

It's FAST and it's ACCURATE



Temperature inconsistency and contaminated viscometer tubes are the major causes of inaccurate viscosity measurements. The TriVisc will eliminate them.

Uniform sample temperature is critical to accurate and consistent viscosity measurement. The oil sample changes viscosity and undergoes thermal expansion as it warms. If all of the sample has not had time to reach the bath temperature, inconsistent viscosity measurement is the result. Z-shaped Houillon style viscometer tubes are particularly affected when used outside their designed viscosity range. The TriVisc tube is designed for a much wider range.

The TriVisc viscometer is designed for use with lubricants containing contamination which may affect proper kinematic viscosity determination. Particles on the capillary walls, debris, water, or gasses can affect the viscosity measurement. The TriVisc will detect these and let you know when they are significant. No other viscometer calculates a confidence factor for every measurement.

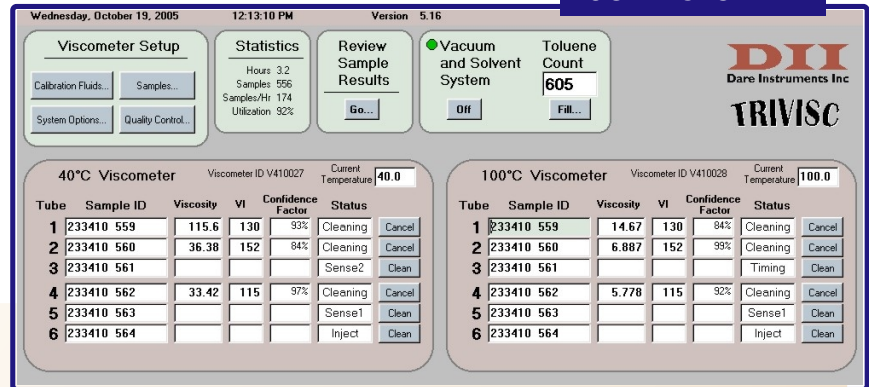
Your customers will notice and appreciate the TriVisc difference!

Features

- High accuracy and repeatability without having to use different tube sizes.
- Precise and uniform sample temperature for every measurement.
- Automatic cleaning and drying after each sample. Low solvent consumption.
- Unique cleaning system eliminates solvent drips and vapors from contaminating your lab.
- 6 Viscometer tubes in each bath for very high sample throughput. Our customers are getting over 160 viscosity measurements per hour with our two bath systems.
- Confidence factor calculated for every sample tested. Automatic re-queuing of low confidence measurements.
- Advanced data handling includes automatic sample queuing, multiple temperature testing and, ASTM D2270 Viscosity Index determinations.

Software

“An easy to learn software package handles the Sample IDs, measurement results, quality control, and even monitors the throughput and usage statistics.”



Specifications*

Bath Temperature Range: 37.0°C - 104.0°C
 Digital PID, adjustable. Stability +/- 0.01°C

Viscosity Range @ 40°C
 9.9 cSt - 800 cSt

Viscosity Range @ 100°C
 2.4 cSt - 70 cSt

Accuracy:
 RSD - 0.55% over stated range

Repeatability:
 RSD - 0.45% over stated range

Dimensions:
 Width: 15.3"
 Depth: 17.5"
 Height: 24.0"

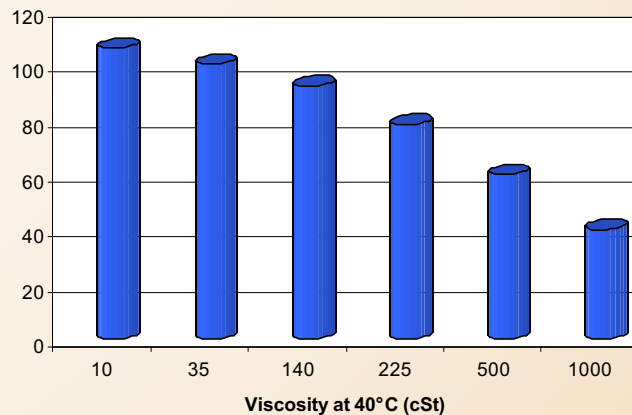
Weight: 84 pounds

Power Requirements:
 110 VAC 50-60Hz 8 Amps
 220 VAC 50-60Hz 4 Amps
 specify when ordering

Computer:
 Microsoft Windows XP
 Pentium 500 MHz or higher
 One USB Port for each TriVisc
 256Mbyte RAM
 40Gbyte HD
 15" Display
 Mouse
 LIMS Interface if required

*Subject to change without notice

■ Samples per Hour Sample Throughput (per bath)



The TriVisc's design allows the technician to inject samples into tubes for measurement while other tubes are being cleaned. This maximizes efficiency without having to resort to a slow automatic sample changer. Only 0.75mL of sample is injected and about 15 mL of solvent are used per measurement.

Other viscometers can consume 4 times the solvent and have only 1/4 of the throughput. We can double your value at half the cost of a robotic viscometer.

Your local representative is

DII
 Dare Instruments Inc

4904-87 Street
 Edmonton, Alberta
 Canada T6E 5W3

Toll Free: 1-877-450-0401
 International Ph: (780) 450-0401
 Fax: (780) 454-8690