

THERMOSET MIVI AUTOMATIC ANALYZER: On-line viscosity measurement at reference temperature

France (December, 2011) – Mainly suited for refining and petroleum-related industries, Sofraser's Thermoset MIVI also suits the chemical and polymerization sectors for lubricant producers and resin manufacturers, respectively.

How It Works:

Sofraser's Thermoset MIVI brings the most efficient technology to viscosity measurement at reference temperature by drawing fluid from the process, taking it to the required temperature, measuring the viscosity, and re-injecting the fluid into the main line.

Advantages:

Integrating an on-line automatic analyzer that measures at reference temperature means that:

- The measurement is made at the **actual reference temperature**, regardless of the product's behavior.
- The correlation to **ASTM standard** can be done directly.
- Accuracy is induced by the measuring principle, not by a calculation approximation.
- The Thermoset MIVI requires **minimal maintenance** that is simple to accomplish. With its **robust system** it makes reliable measurements, there is no drift in time, and there is zero clogging. Moreover, installation is fast and easy; **overall costs are significantly decreased**.
- Due to reliable and repeatable measures obtained in continuous by-pass operation from the main line, the Thermoset MIVI maintains strict manufacturing specifications; it **guarantees superior product quality**.
- The Thermoset MIVI **delivers optimal production efficiency** with one simple installation in a permanent process operation. It has a small footprint, no annex installation, and outside installation is possible.
- It offers **increased profitability** due to the integrated measuring chamber that does not have a bath or oven. This translates into **insignificant cleaning operations** and **lowered maintenance down-time**. These assets provide tangible savings in both time and cost, while maximizing return on investment.
- The Thermoset MIVI has **technological versatility** with many process parameters. It is highly tolerant to input sample temperature and to varying particle sizes. For extreme input temperatures, a conditioning module can heat or cool fluids before reaching reference temperature.

- The Thermoset MIVI is ATEX built and can be configured to calculate the viscosity index according to ASTM 2270-04. In addition, it can provide kinematic viscosity with density measurement

About Sofraser

Sofraser is the only 30+ year fluid specialist and is the inventor of the vibrating-type viscometer at resonance frequency. Patented in 1981, it is now widely considered the most reliable in-process instrumentation. For more information on our products and to access our expertise, visit our website www.sofraser.com or contact us at instruments@sofraser.com.