



REFINERIES APPLICATIONS

Liquid hydrocarbons processing

Heavy and light fuels blending

Monitoring of distillation column bottoms

Visbreaking

SIMILAR APPLICATIONS

Pitch, Tar, Bitumen handling

Asphalt blowing

Lubricants plants



The most **economical** analyzer to measure viscosity at **reference temperature**

*Other configuration available on demand

HOW TO PERFECTLY CONTROL THE PRODUCT QUALITY IN OIL AND GAS INDUSTRIES?

In **Refineries and Petrochemical processes**, on-site control is of primary importance with regards to product quality. Viscosity is **one of the key parameters** of many petroleum products. It influences storage, handling, and operational conditions.

Viscosity Measurement at Reference Temperature is needed in refineries for petroleum, oil, liquid hydrocarbons, heavy and light fuel blends. Measurement of viscosity at reference temperature eliminates **both process temperature** variations and **changes in product behavior**.

Nowadays, **REFINERIES** face different constraints:

- **PARTIAL UNDERSTANDING** due to lack of monitoring steps
- **VISCOSITY CHANGES** with product quality and process temperature
- Difficulty to **CHARACTERIZE THE BEHAVIOR** of reference products
- **VARYING ORIGIN OF CRUDES** and refining methods
- **QUALITY** of petroleum products and derivatives **DEPENDS ON VISCOSITY** characteristics

OIL & GAS ANALYZER **BEST SELLER SOLUTION** – *in hazardous environments*

- +** The optimal solution for viscosity monitoring required by your application: **a single control point at one reference temperature**
- +** Guarantees product quality thanks to **reliable and repeatable measurement**
- +** Compensates for the effect of variable process temperature and product behavior
- +** Provides continuous analysis correlated to the **ASTM D445 standard**
- +** **Is simple to install** on main process flow (secondary sampling loop or even on a fast loop)
- +** Is able to **measure the viscosity index** according to the ASTM 2270-04



Key characteristics:

Large measurement capabilities	Robust, tolerant to particles
Minimal cleaning, very low maintenance	Easy to use
Lowest price on the market	Allows for outside installation

FEATURES & SPECIFICATIONS

Measuring range: up to 10 000 cP at reference temperature*

Precision: +/- 1 % of reading

Maximum inlet temperature: 150 °C/300 °F*

Maximum operating pressure: 60 bar/870 psi*

Reference temperature: from 40 to 135 °C/100 to 275 °F*

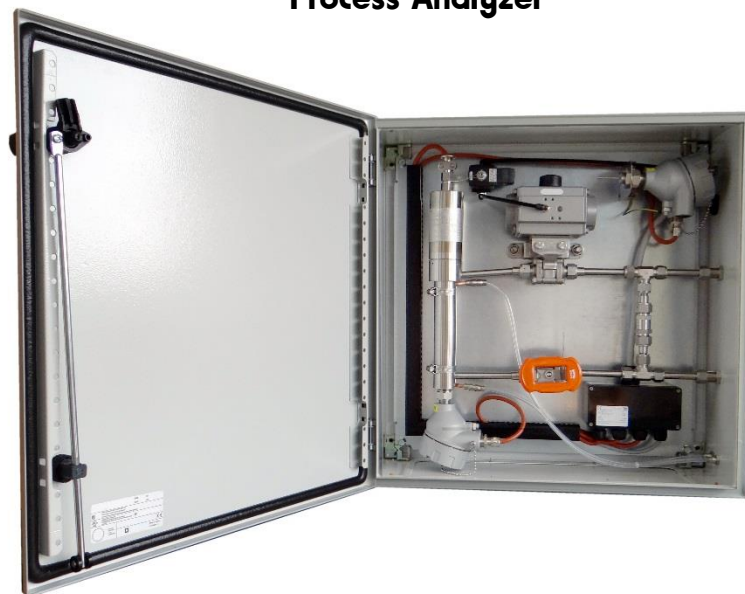
Ex-proof certification

Optional density measurement

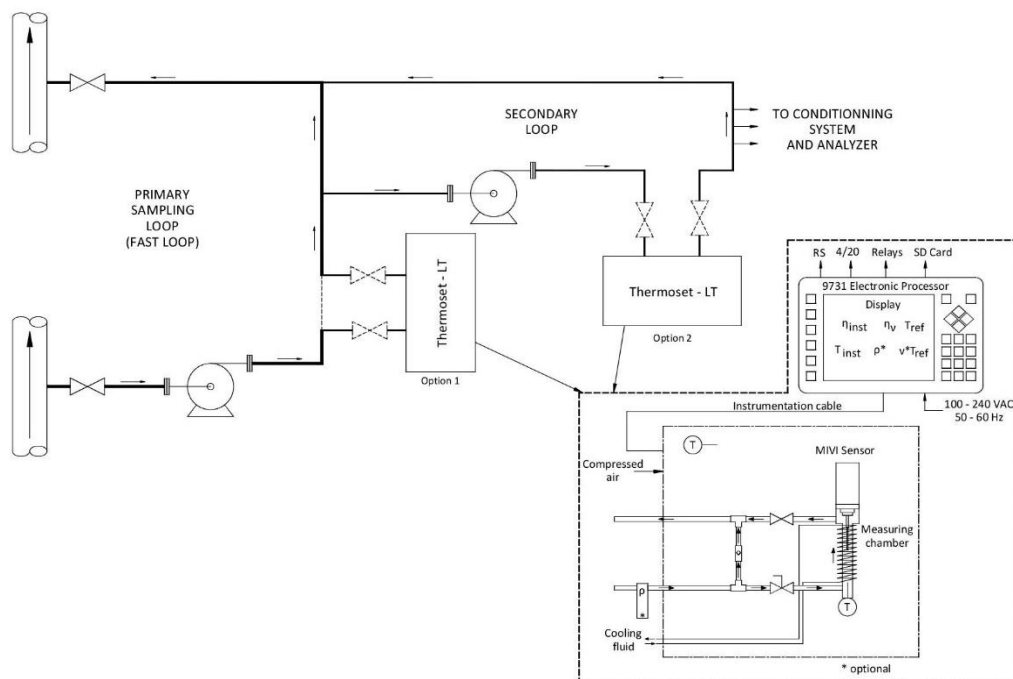
5.7" touchscreen display

*Higher available on request

Thermoset-LT Process Analyzer



MAIN MOUNTINGS



Any questions or specific needs regarding other viscosity solutions?
 Let us help you find the best match for your process by **contacting us at:**
instruments@sofraser.com