

Capillary Tube Viscometer

CTV-S10



Description:


This viscometer is designed for measuring the viscosity of fluids at reservoir conditions. Fluid viscosity is a crucial parameter in various applications, including EOR development plans, reservoir fluid characterization, oil production optimization, thermal EOR processes, asphaltene onset measurement, and supercritical fluid studies at elevated pressure and temperature. The high-pressure/high-temperature viscometer incorporates a digital pressure gauge and temperature control.


Technical Specification:

- Liquid Viscosity Range: 1-500 cP
- Calculating Viscosity Using Hagen-Poiseuille Equation
- Maximum Working Pressure: 400 bar
- Pressure Transmitter
 - o Pressure Transmitter Accuracy: 0.5% full scale
- Maximum Working Temperature: 100°C
- Temperature Resolution: $\pm 0.1^\circ\text{C}$
- Heating System: Oven



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