

VISCOSITY

3330 IN-LINE VISCOSMETER

A Critical Tool for Stimulation Fluids

The 3330 In-Line Viscometer provides continuous, real-time viscosity and temperature measurements for a wide range of oilfield fluids, including fracturing fluids, drilling muds and cement slurries. Built for durability, it is engineered to perform reliably in the harsh and demanding environments encountered during well servicing and drilling operations.

Utilizing API-compliant Couette Rotor and Bob (R1-B1) geometry, the 3330 operates at a fixed shear rate of 511 sec^{-1} , delivering accurate and consistent data. Viscosity readings are transmitted via 4–20 mA signal loops to the Control Treatment Monitoring Vehicle, with a digital readout conveniently located on the front panel for local monitoring.

Operational Simplicity

Designed for integration on the low-pressure side of the blender, the 3330 draws a slipstream sample from the hydration tank or fluid system. It is easy to operate, quick to disassemble for cleaning, and features replaceable components to minimize downtime. An optional pH probe is available for expanded fluid monitoring capabilities.

Whether used for fracturing, drilling, or cementing, the 3330 delivers critical viscosity data to support wellbore integrity, zonal isolation, cuttings transport and fluid performance optimization.

A ruggedized, field-ready counterpart to the 3500 series bench-top viscometer, the 3330 is purpose-built for real-world analysis of oilfield fluids across all phases of drilling, completion, stimulation, and cementing operations.

FEATURES

- ✓ Continuous, Real Time, Viscosity and Temperature Measurement
- ✓ Easy to Set-Up, Operate, Clean, Maintain and Calibrate
- ✓ API-Compliant Couette Rotor and Bob (R1-B1) Geometry
- ✓ Fixed Shear Rate of 511 sec^{-1}
- ✓ 4–20 mA Signal Loops for Data Transmission
- ✓ Digital Readout on Front Panel
- ✓ Optional pH probe for Expanded Fluid Monitoring Capabilities



3330 IN-LINE VISCOSITY METER

SPECIFICATIONS

Operating Conditions

50°F - 140°F / 10°C - 60°C

Shear Rate Accuracy

511 sec⁻¹

Measurement Accuracy

±2.0 cP

Sample Temperature

Ambient

Sample Volume

250 mL

Rotor

R1

Bob

B1

Spring

F1

Additional Bob Size and Spring Factor
Combinations Available

Options

3330-01 Transport Case

3330-02 pH Measurement

P2830 100cP Calibration Fluid

Power Requirements**Model | Power Requirements**

3330-DC | 12 VDC 6A

3330-DC | 120/240 VAC 2A

Physical Dimensions (w x d x h)

17 x 15 x 20 in. / 43 x 38 x 51 cm

Manufacturer's specifications subject to change without notice

