Model 35 Viscometer Calibration

For continuous accurate measurements, the instrument must be properly calibrated. There are two methods of calibration check — 1) dead weight calibration check, and 2) standard fluid calibration check. The standard fluid calibration check verifies that the complete instrument is operating properly.

The R1-B1-F1 rotor-bob-torsion spring combination is standard for all Fann® viscometers. Calibration checks are only performed with R1-B1 rotor-bob configuration.

For detailed calibration instructions, refer to the Model 35 Viscometer Instruction Manual.

How often should you calibrate?

Calibration frequency depends on your usage and laboratory quality assurance program. In accordance with API RP 13B-1 and API RP 13B-2, Fann recommends calibrating the Model 35 Viscometer before it is placed in service and at least monthly while it is in service.

What conditions require calibration?

- Torsion springs are replaced. Changing the torsion springs affects the instrument's mechanical operation.
- The standard fluid calibration check fails. This calibration method will identify a bent bob shaft, rotor eccentricity, and/or runout of the rotor or bob more effectively than the dead weight method.
- The dial does not return to zero after removing the rotor and bob from the fluid.

No. 207026—Fluid Calibration Check Kit

No. 207853—Model DW-3 Calibration Check Kit

Contact Fann Instrument Company for more information on Model 35 Viscometers.

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