

PVT MERCURY FREE SYSTEM

The Model 3300 system incorporates a modular, dual-cell design. This design offers several advantages such as increased accuracy. Phase volume measurement in the Model 3300's dual-cell system is more accurate than in single cell systems because of increased sensitivity. Analytical measurements are made by positioning the interface at a position on the sapphire window. The internal diameter of the window is only 0.3 cm, resulting in a measurement sensitivity of 0.07 cc/cm. For a single windowed cell with an internal diameter of 2.5 cm, the measurement sensitivity is 4.9cc/cm, 70 times less sensitive than the Model 3300.

External computer control handles all data input/output, user interface and communications. Unlike other systems, the Model 3300 incorporates labView™ operating software designed specifically for automated vapor pressure, viscosity and remote operation. This design offers unmatched versatility and multitasking software control.

The Model 3300's modular design allows incorporation of complementary instruments, easy and in expensive upgrades, and simplified service.



MODEL 3300 SERIES PHASE BEHAVIOR SYSTEM

Specifications

Pressure

Range: 0-10,000 PSIA (standard) [15kpsi available]

Resolution: 1PSIA (standard)

Non-Linearity & Hysteresis: ± .05% F.S.

Thermal Effects: ± .05% F.S.

Drift Error: ± .2% F.S.

Cell Volume

Pump Cell: 400 cc (nominal)

Gas-Condensate Cell: 1,000 cc (nominal)

Floating Piston Cell: 600cc (nominal, model 2370-601)

Floating Piston Cell: 1600cc (nominal, model 2370-602)

Actual volumes will vary and must be determined by calibration

Oven Temperature

Range: Ambient to 200⁰C

Resolution: 0.1⁰C

Accuracy: ± 1.0⁰C

Control: ± 0.2⁰C

Mechanical

Height: 75 inches (191 cm)

Width: 45 inches (114 cm)

Depth: 37 inches (94 cm) with doors

Depth: 31 inches (79 cm) doors removed

Weight: 960 lbs. 435 kg, 1350 lbs. crated)

Main Power

Power: 230 VAC ± 10%, 50/60 Hz (single phase)

Max. Current Draw: up to 25 Amp peak