



SPECIFICATION SHEET

ACCUPYC® 1345 - TEC THERMO ELECTRIC TEMPERATURE CONTROL

Materials tend to expand as they are heated, causing the same mass to occupy an increasing volume, thus lowering the substances density. Materials subjected to changing temperature may have a direct effect on volume, affecting accurate density determination.

The Micromeritics AccuPyc II TEC features a Peltier thermoelectric device for precise temperature control and stability. It is an excellent option for use with temperature sensitive or viscous samples where environmental temperature cannot be adequately controlled.

- Accurate temperature control from 15 – 36 °C (+/- 0.1 °C), adjustable in 0.1 °C increments
- Available in 10 cm³ and 100 cm³ AccuPyc II TEC models
- Also available in an analysis module version for remote operation when utilizing the AccuPyc II control module

Optional AccuPyc II TEC Software Density Determination of Semi-Solid Bituminous Materials

This AccuPyc solution can be closely correlated (< 0.15% difference) to results obtained with ASTM Test Method D70-09. The ASTM method is burdensome and time consuming. Our approach offers an expedited, more robust, operator-independent method, with results in minutes.

- Reproducible results in minutes, virtually eliminates operator error
- Integral solution with software for bituminous material testing includes results for specific gravity, volume, and density
- Peltier thermoelectric control (15 °C to 36 °C) provides excellent temperature control/stability and sample handling
- Available disposable sample cups limit cross-contamination and eliminate cleaning of sample cups between analyses

Specifications

Temperature Control

Range	15 °C to 36 °C, (+/- 0.1 °C)
Control	Adjustable in 0.1 °C increments
Environment	Stable between 15 °C to 35 °C (59 to 95 °F) 20% to 80% relative humidity

Physical

Height	27.3 cm (10.7 in)
Width	28.7 cm (11.3 in)
Depth	36.1 cm (14.2 in.)
Weight	13.8 kg (30.5 lbs)

Electrical

Voltage	90 to 264 VAC
Power	100 VA (TEC) 30 VA (Electronics)
Frequency	50 to 60 Hz

Sample Cups

10 cm ³ chamber	1.85 cm ID x 3.95 cm D (0.72 in. ID x 1.55 in. D)
100 cm ³ chamber	4.62 cm ID x 6.18 cm D (1.82 in. ID x 2.43 in. D)

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