



Tempering Bath

Density, API and Specific Gravity

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In combination with hydrometers or pycnometers, this full-view tempering bath is suitable for density, API and specific gravity determinations on crude oils, petroleum products, oils, waxes, bitumen, asphalt cements, soft tar pitches, solvents and similar samples.

Hydrometers are used to check the density of liquid samples.

Pycnometers are applicable for density and relative density determinations on small samples which are liquid, semi-solid or solid.



Benefits at a Glance

- ▶ 1 bath = 2 test procedures
- ▶ Suitable for samples of various states
- ▶ 4 hydrometer cylinders (Ø 65 mm x 420 mm)
- ▶ 4 pycnometer adapter rings (inside Ø 50.5 mm)

Convenient Operation

- ▶ Digitally-indicating circulation thermostats with cooling coil, temperature probe and self-optimizing electronic heating control
- ▶ Borosilicate jars with leakage protection vessels
- ▶ Testing at room temperature or below is possible with an additional cooler (optional)

Customized User Flexibility

Hydrometer: for liquid samples (optional)

Graduated bicapillary pycnometer (optional):

- ▶ Lipkin type: for liquid samples

Capillary-stoppered pycnometer (optional):

- ▶ Gay-Lussac type: for non-volatile liquids
- ▶ Hubbard type: for highly viscous liquids or solids

Standard Methods

(depending on accessories)

Hydrometer: ASTM D287, ASTM D891, ASTM D1298, ASTM D2111, ASTM D3142, ISO 3675, JIS K 2249, DIN 51757-1, IP 160

Pycnometer: ASTM D70, ASTM D1481, ISO 3838, JIS K 2249, DIN 51757-3, DIN 52004, IP 189, IP 190

Technical Specifications

Application range	ambient to 150 °C (Below ambient: circulation cooler required)
Test places	1 to 4
Volume	20 liters
Safety	Overheat and low-level protection, leakage protection vessel
Power supply	115 V or 230 V, 50 Hz/60 Hz
Dimensions	325 mm x 325 mm x 625 mm (W x D x H)
Weight	23.5 kg

Your distributor: