



Densimetry Bath



LT/DB-55112/M



LT/DB-55100/M

ASTM D70
ASTM D71
ASTM D287
ASTM D1298
ASTM D1481
ASTM E100
IP 160
IP 189
IP 190
ISO 3675
ISO 3838
JIS K 2207
JIS K 2249
JIS K 2265

ASTM D287 - Api gravity of crude petroleum and petroleum products.

Covers the determination by means of a glass hydrometer of the API gravity of crude petroleum and petroleum products normally handled as liquids and having a Reid vapour pressure (Test Method D323) of 26 psi (180 kPa) or less.

ASTM D1298 - Density, relative density (specific gravity), or API gravity of crude petroleum and petroleum products by hydrometer.

Covers the laboratory determination using a glass hydrometer, of the density, relative density (specific gravity), or API gravity of crude petroleum, petroleum products, or mixtures of petroleum and non-petroleum products normally handled as liquids, and having a Reid vapour pressure of 14.696 psi (101.325 kPa) or less.

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Digital densimetry bath, manual instrument composed by:

- Bench top instrument with metallic case structure painted with anti-acid products and double chamber insulation.
- Internal bath made of stainless steel with capacity of 42 litres approx., drain tap and overflow.
- Support with 9 holes \varnothing 65 mm for 64 x 440 mm test tubes.
- Test tubes blocking system.
- Double motor stirrer with on/off switch and main power switch.
- Temperature controlled by a digital thermoregulator with PT100 A class temperature sensor with PID range from ambient to +230°C, resolution 0,1°C.
- Over-temperature light and heating cut-off manually settable by safety thermostat.
- Cooling fan for electronic parts, stirrer motor grant homogeneity/uniformity.
- Cooling coil with joints for external cooling source, metal cover with handle.

Power consumption

- 4000 Watt

Power Supply

- 220 or 115 Vac 50/60 Hz

Dimensions

- 35 cm x 70 cm x 60 cm

Weight

- 27 kg

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Digital densimetry bath, manual instrument composed by:

- Glass tank of about 29 litres capacity with stainless steel table support.
- Stainless steel cover with 5 holes \varnothing 69 mm for 65 x 440 mm test tubes with tube guide.
- Thermometer support and 5 stand-by covers for unused openings.
- Stainless steel control unit with heating protection system including, power switch, stirrer switch, thermoregulator, safety thermostat equipped with PT100 A class for temperature reading.
- Brass cooling coil with Ni-Cr treatment and joints for external cooling system.
- Stainless steel immersion heaters with low level liquid protection system.

Dimensions

- \varnothing 56 cm x 65 cm

Weight

- 12 kg

Accessories

- LAB-100-552/45: protection jacket for low temperature, for tank 29 litres
- LAB-100-553: test tubes 65 x 440 mm, pack of 5
- LAB-100-555: cylinder for densimetry with foot, 450 mm height
- T-AS12C: thermometer ASTM 12C - IP 64C

Spare Parts

- LAB-100-553: test tubes 65 x 440 mm, pack of 5
- LAB-100-555: cylinder for densimetry with foot, 450 mm height
- LAB-140-002: PT100 probe
- LAB-110-012: heater
- LAB-160-014: digital thermoregulator
- LAB-150-015: static relay