

# Density / Relative Density of Liquid Light Hydrocarbons by Pressure Thermohydrometer

## test method

Density and relative density measurements of light hydrocarbons, including LPG, are used for transportation, storage and regulatory purposes. The measurement is made by floating a thermohydrometer in a sample that has been introduced into a pressure cylinder and placed in a constant temperature bath. When the temperature has reached equilibrium, the hydrometer reading and the temperature of the sample is noted.

## constant temperature hydrometer bath

- Conforms to ASTM D1298, D1657 and related specifications
- Mechanically refrigerated for convenient sub-ambient temperature operation

Immerses two Hydrometer Cylinders at 60°F (15°C) for density and relative density determinations of LPG and other light hydrocarbons. Mechanically refrigerated cooling system maintains sub-ambient temperature. Thermistor activated solid state temperature controller and 750W copper immersion heater maintain bath temperature with  $\pm 0.5^\circ\text{F}$  ( $\pm 0.2^\circ\text{C}$ ) stability. A 1/20 hp ball bearing stirrer circulates the bath medium to assure temperature uniformity. Stainless steel tank is fiberglass insulated. Equipped with overflow standpipe/drain. Steel exterior has a durable polyurethane enamel finish.

## ordering information

catalog no.	description
K25900	Constant Temperature Pressure Hydrometer Bath 115V 60Hz
K25990	Constant Temperature Pressure Hydrometer Bath 220-240V 60Hz
K25995	Constant Temperature Pressure Hydrometer Bath 220-240V 50Hz

### accessories

332-002-011	Glass Hydrometer Cylinder
250-000-12F	ASTM 12F Thermometer, Range -5 to +215°F
250-000-12C	ASTM 12C Thermometer, Range -20 to +102°C



K25900 Constant Temperature Pressure Hydrometer Bath

## specifications

Conforms to the specifications of:  
ASTM D1298, D1657; IP 235; ISO 3993  
Temperature Range: -25 to +40°C  
Controller Sensitivity:  $\pm 0.5^\circ\text{F}$  ( $\pm 0.2^\circ\text{C}$ )  
Capacity: Two (2) Cylinders

### Electrical Requirements:

115V, 60Hz, Single Phase, 12.5A  
230V, 50/60Hz, Single Phase, 6.4A

### Dimensions l x w x h, in. (cm)

Bath Interior: 12x18x22 (30x46x56)  
Overall: 18x20x49 (49x51x124)  
Net Weight: 158 lbs (71.1kg)

### Shipping Information

Shipping Weight: 186 lbs (84.4kg)  
Shipping Dimensions: 15.4 Cu. ft.