

Determining the Density of Petroleum Distillates Using a Digital Density Meter— ASTM D4052-18a

Density is a physical property that can be used with other properties to characterize petroleum and petroleum products. ASTM Method D4052-18b describes a method for the determination of density in petroleum products with total vapor pressures below 100kPa and viscosities below 15000 mm²/s at 15°C. Example products include gasoline, gasoline-oxygenate blends, diesel, jet, base stocks and lubricating oils.

The method calls for the use of a digital density meter with oscillating sample tube.



A. Krüss Optronic Density Meters Suitable for Measuring Petroleum Distillates

DS7800 Density Meter
With Manual Sample
Introduction



DS7800 Density Meter With
Peristaltic Pump for Semi-
Automatic Sample Introduction

Key Features

- Measurement Based on U-Tube Oscillation with Scales for Density, Relative Density, %Brix, Alcohol Concentration, Sulphuric Acid Concentration and the Ability to Develop Customized Scales.
- Accuracy for Model DS7800 is +/- 0.0001 g/cm³.
- Temperature Range of 10 to 40°C with accuracy of +/-0.02°C
- Space-saving Rugged Designs with Chemical Resistant Materials; includes Drying unit and Integrated Pressure Sensor
- Intuitive and Easy-to-Use. Does Not Require a Highly Trained Operator. Password protection, Tamper-Resistant Data Storage and Easy Transfer of Reports and Data via USB, Ethernet or RS-232.
- Easy to Fill and Clean With Options for Manual Sample Introduction, Semi-Automated and Automated Sample Introduction

Contact Us Today For More Information!