



Automatic Densimeter DSG-2

The Automatic Densimeter DSG-2 is a high precision instrument that offers accurate, simple operation in almost any laboratory environment. An electronic balance determines specific gravity of rubber, plastic, ceramic, and various other materials with the single push of a button. Specific gravity of the sample can be directly read on the indicator screen simply and easily.

An optional attachment allows measurement of the specific gravity of liquids or the rate of change of volume for rubber and other materials.

Features

- Can measure a wide range of densities from foams to metals
- Measurement time can be as short as about 15 seconds
- Three simple steps for operation: set conditions, attach/detach specimen, and press start button
- Liquid and air density tables can be stored in the main unit, and the liquid and air densities can be reflected by simply entering air and liquid temperatures
- In addition to distilled water, other liquid such as alcohol can be used as the immersion liquid
- The temperature of the liquid can be controlled by using a double-wall beaker and a refrigerated circulator
- Optional calculation software enables volumetric and other measurements
- The beaker lifting speed and vertical stop position can be changed to improve testing efficiency
- A fully-automatic version is also available, in which all measurements are performed automatically by simply setting the sample

Standards

JIS K 0061, JIS K 6258, JIS K 6268, JIS K 7112, JIS Z 8804, JIS Z 8807, ISO 1183-1, ISO 1817, ISO 2781

Technical Specification

Capacity	100g
Minimum display	0.00001g (0.1mg)
Density display resolution	0.000001g/cm ³
Operation Panel	4.7 inch LCD touch panel
Beaker lifting stroke	100mm
Beaker lifting speed	10, 20, 30mm/s (Selectable)
Data saving	200 lot, 1000 data (Note: 1 lot can store up to 100 data)
Immersion Liquid	Water, ethanol, acetone etc. (Note: to be used in range of 10 to 30°C)
Interface	RS-232C
Power requirements	Main unit: Single-phase, AC100 to 240V, 50Hz or 60Hz, 0.1kVA Balance unit: Single-phase, AC100 to 240V, 50/60Hz, 0.05kVA
Net weight	Approx. 26kg (excluding balance unit) / Approx. 35kg (including balance unit)
Dimensions W x D x H	290 x 443 x 610 mm

Disclaimer

The information contained in this document is liable to modification from time to time in the light of experience and our policy of continuous product development. Check the Industrial Physics website for the latest version.

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