

D2020 DENSITY

Specific Gravity Tester

◀ The D2020 Density offers fully automated specific gravity testing.



▶ The D2020's provide a simple solution to determining the suitability of a material for an application.

D2020 DENSITY

Density Tester

Performance

The D2020 Density™ instrument helps your lab maintain tight quality control expectations by reliably measuring the specific gravity/density of cured compounds. The D2020 Density™ utilizes the compounds weight in air and in water to account for any environmental differences during testing, resulting in higher quality standards and increased precision. Rapid readings help reduce water absorption which translates into a more accurate reading, ensuring the customer can always trust the measured data. Additionally, to ensure external atmosphere patterns are accounted for, the specific gravity of the liquid is corrected for temperature. Once the data is created, the Enterprise™ software organizes data into reports and can perform analysis that allows the user to statistically control the manufacturing process.

Features

Automated 20 sample queue

Measures specific gravity/density of cured compounds in the range of 1.05 to 2.00

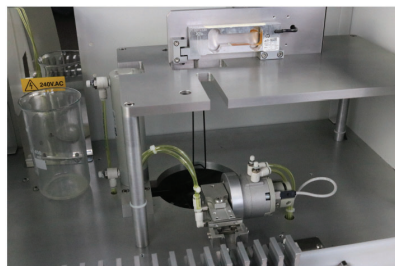
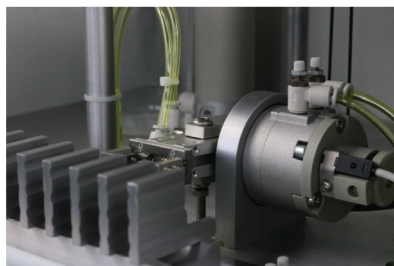
Carrier is “wetted” prior to the first weight

Benefits

Eliminates operator influence over the data and increases testing efficiency

Maintains high quality standards for testing

Improves consistency of data



Specifications

Testing Standards: ASTM D297 Section 16.3 and ISO 2781
Specific Gravity Range: 1.05 to 2.00
Accuracy: Better Than $\pm 0.5\%$
Standard Deviation: (SG 1.05 to 1.4) 0.0015
Standard Deviation: (SG 1.4 to 2.0) 0.0030

Automation Samples: 20
Sample Diameter: 35 to 45 mm
Sample Thickness: 4 to 10 mm
Maximum Sample: Weight 18 g
Weight: 75 lb (34 kg)
Dimensions: W: 23 in (58.4 cm), D: 20 in (50.8 cm), H: 20 in (50.8 cm)