



Gel Strength Tester

DV2400

TQC Sheen Gel Strength Tester

Reliable and Accurate Gel Strength Measurement

The TQC Sheen Gel Strength Tester DV2400 is a high-precision instrument designed to assess the yield strength and consistency of thick paints, gels, putties, and similar materials. This easy-to-use system ensures fast, repeatable results, making it an essential tool for quality control and research.

The Importance of Gel Strength Testing

Gel strength testing is essential for evaluating the consistency, stability, and structural integrity of various materials. In food production, it plays a key role in ensuring proper texture, processing behavior, and shelf life. Beyond food, gel strength measurement is widely used in pharmaceuticals, cosmetics, and adhesives to maintain product quality, optimize formulations, and ensure performance meets industry standards.

Gel Strength Tester with Enhanced Features

A redesign of the Sheen 414N, the DV2400 incorporates several improvements, including a variable speed range of 0.5 to 5 rpm, compared to the fixed 2 rpm of its predecessor. This expanded range allows for greater flexibility in testing:

- Lower rpm and smaller spindles facilitate testing of thicker products.
- Higher rpm and larger spindles enable testing of lower-viscosity materials.

Ideal for:

Inks & Coatings, Food, Medical, Cosmetic and Education.

Scope of supply:

- DV2400 Gel Strength Tester
- 250ml Sample Can
- Standard Spindle (DV2401):
2 blades, blade size: 20.0x40.0 mm (HxW)
- Handle
- Level Adapter Set (½ pint, 1 pint)
- 240V/110V Power Adapter

Ordering Information:

Catalog Number Article Description

DV2400	Gel Strength Tester
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Features:

- Easy to use with simple setup and operation
- Highly accurate ensuring repeatable and reliable results
- Manual and automatic operation providing flexible testing options
- Four-line digital display with backlight for improved readability
- Level adapter set ½ pint 1 pint included for stable sample positioning
- Variable speed control 0.5 – 5.0 rpm for precise adjustments to different viscosities
- Alternative paddle formats available

Technical Specification:

Power Supply:	100-240VAC / 50-60Hz
Operating temperature:	+5 °C - +40 °C/ +41 °F – 104 °F
Weight:	8500 g / 18.7 lbs
Speed:	0.5 – 5.0 rpm
Spindle:	20 x 40 mm DV2401
Measurement Range:	0- 450 g/cm
Resolution:	10 g/cm
Accuracy:	± 2% of full scale
Repeatability:	± 1% of full scale
Sample container:	Minimum opening diameter required
Dimensions (W x D x H):	200 x 360 x 550mm / 7,9 x 14,2 x 21,7 in

Accessories:

Article Number	Paddle ID	Number of blades	Blade size: (Height x Width)
DV2402	D2	2	10,0 x 30,0 mm
DV2403	D3	2	10,0 x 20,0 mm
DV2404	D4	4	50,0 x 55,0 mm
DV2405	D5	2	20,0 x 20,0 mm
DV2406	D6	2	40,0 x 40,0 mm
DV2407	D7	2	50,0 x 20,0 mm
DV2408	D8	2	3,0 x 40,0 mm

Disclaimer

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