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NDJ-8S Viscometer

The NDJ-8S digital rotational viscometer is used to measure the viscous resistance and dynamic viscosity of liquids. The newly designed NDJ series digital viscometer not only features a more modern aesthetic design but also offers easier operation, more accurate measurements, and more comprehensive functions. This instrument is used to measure the viscous resistance and dynamic viscosity of liquids and is widely used in determining the viscosity of various liquids such as oils, paints, food, coatings, paper, cosmetics, chemicals, capsule adhesives, and pharmaceuticals.

I. Main Features

1. More modern aesthetic design for better appearance, easier operation, and more accurate measurements.
2. Extensive use of high-quality aluminum-magnesium alloy and high-specification stainless steel, manufactured with high-precision equipment to ensure reliability and accuracy.
3. All-metal lifting components; the entire lifting column and rack are machined from pure copper, combined with high-precision gear components for the lifting slider, providing a stable and smooth operating experience. The operating buttons are rubber-coated for comfortable and effortless operation.
4. Abundant expansion interfaces, including external power supply and wide voltage input. Optional accessories include a rigid direct-access head, high-precision temperature sensor, host computer data acquisition software, portable printer, thermostat cup, and thermostat bath.
5. Equipped with automatic scanning, timed measurement, and over-range alarm functions.
6. Uses a power adapter, resulting in low power consumption and extended control chip lifespan.
7. The new model offers higher overall stability and reliability. Third-party verification by metrology institutes is available, either by the user or the supplier, with a guaranteed pass rate.

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II. Main Technical Specifications:

1. Measuring Rotors: #1, #2, #3, #4
2. Measuring Speed: 0.3/0.6/1.5/3/6/12/30/60 r/min
3. Measuring Range: 1 mPa·s - 2000000 mPa·s (1 mPa·s = 1 cp)
(For measurements within 15 cp, a #0 rotor is required.)
4. Display Accuracy: 0.01 mPa·s
5. asurement Error: ±1% (Newtonian fluid, full scale)
6. Dimensions: 95 × 130 × 155 (mm) (excluding base)
7. Net Weight: 2 kg (excluding base)

Rotor Set #0

Rotors: #1, #2, #3, #4

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