



Digital Rotational Viscometer

The brand new digital viscometer is an intelligent instrument based on single chip intelligent control. This series of viscometer is integrated with a high performance step motor and a driver running accurately and stably as per the program setting, and the motor drives the rotor to rotate through a torque sensor at a constant speed. When the rotor meets any viscous resistance in the liquid tested, the resistant force will be fed back to the torque sensor, processed and computed internally, and then displayed on the liquid crystal screen as a viscosity value of the liquid tested. Comparing with similar instruments, this series of instrument is advantages in convenient operation, direct reading, rich display, high measuring accuracy, stable rotating speed, high interference resistance and wide working voltage (100V~240V, 50/60Hz), etc.

In instrumental operation, this series of instruments can display the percentage of measured value to the full measurable range, warning of measurable range overflow, scan automatically and measure timely, and depending on these functions, the user can rapidly and precisely select a suitable combination of rotor and rotating speed, save the determined measuring conditions, and use it conveniently in future production and test.

This series of instrument can be extensively used in measuring the viscosity of solvent adhesive, emulsion, biochemical product, paint, coating material, cosmetics, ink, paper pulp, food and starch, etc.



Main technical performance

| Model | NDJ-5S, NDJ-9S |
|-----------------------|---|
| Measuring range | 1mPa.S ~ 100,000mPa.S (Rotor #0 must be used for 15CP below) |
| Displaying resolution | 0.01mPa.S |
| Measuring accuracy | NDJ-5S: $\pm 2\%$ (Full measuring range); NDJ-9S: $\pm 1\%$ (Full measuring range) |
| Rotor spec. | Rotor #1, #2, #3, and #4 (Rotor #0 is optional) |
| Rotating speed | 6, 12, 30, and 60 rpm |
| External dimensions | 95mm \times 130mm \times 155mm (excluding the base) |
| Net weight | 2kg (excluding the base) |

| Model | NDJ-8S, DV-1 |
|-----------------------|--|
| Measuring range | 1mPa.S ~ 2,000,000mPa.S (Rotor #0 must be used for 15CP below) |
| Displaying resolution | 0.01mPa.S |
| Measuring accuracy | $\pm 2\%$ (full measuring range) |
| Rotor spec. | Rotor #1, #2, #3, and #4 (Rotor #0 is optional) |
| Rotating speed | 0.3, 0.6, 1.5, 3, 6, 12, 30, and 60 rpm |
| External dimensions | 95mm \times 130mm \times 155mm (excluding the base) |
| Net weight | 2kg (excluding the base) |

* Unit conversion: 1Pa.s=1,000mPa.S, 1P=100mPa.S, 1cp=1mPa.S