

DP1003BZ Fully automatic kinematic viscosity tester



1. Equipment Overview: DP1003BZ automatic viscosity instrument complies with GB/T265-88 A product that meets the requirements of ASTM D445, D446, IS03104, and IS03105 Regulations for determining transparent and opaque liquids, including crude oil, light and heavy fuels .The kinematic viscosity of feed oil, lubric

2. Equipment parameters:

2.1 Temperature range: 20-135 °C (a low-temperature circulating cooler is required for temperatures below 40 °C);

2.2 Temperature control accuracy: ± 0.01 °C;

2.3 Heating power: Main heating 400W, auxiliary heating 600W;

2.4 Number of test holes: Two holes;

2.5 Detection method: photoelectric or thermistor;

2.6 Power supply: AC220V 1200W;

2.7 Repeatability: $\leq 0.5\%$;

2.8 Reproducibility: $\leq 1\%$;

2.9 Viscosity tube: (two standard) 0.4, 0.6, 0.8, 1.0, 1.2, 1.5, 2.0 (optional by the user to choose the type of viscometer according to their needs);

2.10 Display: 10 "screen;

2.11 Input: Touch screen keyboard input;

2.12 Instrument weight: 30kg;

2.13 Dimensions: 350X560X800 (mm);

2.14 Easy to replace, only takes about a minute. If there are special requirements for viscometers, the company can also customize corresponding viscometers.

3. Key Features:

3.1 Adopting imported PLC (Programmable Logic Controller) control, replacing traditional microcontrollers; Strong anti-interference ability, protection level IP66, effectively avoiding corrosion damage to circuit boards caused by high humidity in the south, LCD touch screen operation;

3.2 The measurement process includes: constant temperature, viscosity testing, cleaning, and automation of the entire drying process;

3.3 After the operator completes the layout, they can leave the site and the instrument can automatically complete all tasks;

3.4 The experimental program can be accessed, modified, and infinitely added at any time;

3.5 The experimental results can be stored infinitely and accessed at any time for repeated and reproducible comparisons and calculations of data;

3.6 The instrument comes with a built-in lighting device, making it convenient to observe the measurement and cleaning of the viscometer during the experiment

3.7 Built in powerful self checking function system, equipped with automatic fault diagnosis program, more reliable operation ;

3.8 Refrigeration equipment can be added according to user needs;

3.9 After the operator injects the experimental sample, the instrument automatically maintains a constant temperature, filters the sample, tests, timing, calculates, saves, prints, aspirates waste samples, adds cleaning solution, dries, and exits.

4. Configuration List:

4.1 viscosity tubes		4 set
4.2 solvent bottle	500ml	1 set
4.3 waste liquid bottle	500ml	1 set
4.4 syringes	10ml	5 set
4.5 thermometer	40 °C	1 set
4.6 thermometer	100°C	1 set
4.7 fuse	10A	2 set
4.8 power cord	10A	1 set