

# WIRSAMTEST SYD-510F1 Multifunctional Low Temperature Tester

## **Purpose and scope**

The instrument is designed and made as per the “Test Methods for Solidifying Point of Petroleum Products”, “Test Methods for Pour Point of Petroleum Products”, “Test Methods for Cloud Point of Petroleum Products”, as well as the “Test Methods for Cold Filter Plugging Point of Distillate Fuels”. It is suitable to determine solidifying point, pour point, cloud point and cold filter plugging point of petroleum products. It can also be used to determine these indexes as per ASTM D97, ASTM D2500, ISO3015, ISO3016, and IP309.

## **Main technical specification and parameters**

1. Power supply: AC 220 V $\pm$ 10%, 50 Hz
2. Controlling temperature of cold bath:
  - (1) Cold bath I: 0 °C,  $\pm$ 0.5 °C, The temperatures in two bath are equal.
  - (2) Cold bath II: 0 °C, -17 °C,  $\pm$ 0.5 °C, The temperature in two bath are equal.
  - (3) Cold bath III: -17 °C, -34 °C,  $\pm$ 0.5 °C, The temperature in two bath are equal.
  - (4) Cold bath IV: room temperature  $\sim$  -70 °C,  $\pm$ 0.5 °C, The temperature in two bath are equal.
3. Refrigeration system: New type of refrigeration compressor. -70 °C
4. Ambient temperature:  $\leq$ 30 °C
5. Relative humidity:  $\leq$ 85%
6. Total power consumption: not more than 1700 W

