

## YK-3912E1 Penetrometer

### Summary

This instrument is designed and made as per *T0604 Penetration Test for Bituminous Materials in JTG E20 Specification and Test Methods of Bitumen and Bituminous Mixture for Highway Engineering*, *GB/T 4985 Standard Penetration Test for Petroleum Waxes* and national standard of People's Republic of China *GB/T 4509 Standard Test Method for Penetration of Bitumen*, *GB/T269(ASTM D217) Standard Test Method for Cone Penetration of Lubricating Grease and Petrolatum*. It is suitable to determine the penetration of asphalt, paraffin and cone Penetration grease.

### I. Main technical features

1. Using high precision temperature controller, the temperature setting is convenient and the temperature control precision is high.
2. Equipped with cold light source and magnifying glass, easy to use and operate.
3. Equipped with penetration display, the data is stable and accurate, easy to observe.
4. It has the function of coarse and fine adjustment of lifting frame, which is convenient for the needle point to align with the sample plane.

### II. Main technical specifications

1. Power supply: AC (220±10%) V, 50Hz;
2. Measurement range: 0 penetration~600 penetrations;
3. Resolution: 0.1 penetration(0.01mm);
4. Timing range: 5s, 8s, 10s, 12s, 30s, 60 s, and the error is less than ±0.1 s;
5. Power consumption: 200W;
6. Temperature control accuracy: 25 °C± 0.1 °C
7. Constant temperature bath: hard glass chamber
8. Stirring: magnetic stirrer, rotary stirring
9. Working environment: Temperature: (15~35) °C; Relative humidity: ≤85%
11. Dimension: 260mm×400mm×640mm;(L\*W\*H)
12. Net weight: 16kg.



Optional:

1.Bitumen penetration test devices



2. Grease cone penetration test devices



主机+润滑脂锥入度试验器配件

### 3. Paraffin needle penetration test devices

