

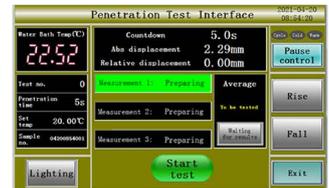
TOUCH SCREEN



Intuitive display



Rich content



Easy to operate

FAST NEEDLE ADJUSTMENT



Knob encoder switch + lifting switch

The stepping motor drives the lead screw slider to realize the high-precision jogging adjustment of fast lifting.



INTERNAL INTEGRATED CONSTANT TEMPERATURE SYSTEM

Semiconductor refrigeration technology +PID control algorithm

It integrates semiconductor refrigeration sheet, cooling module, heating sheet and water circulation system to realize the $\pm 0.1^{\circ}\text{C}$ high-precision constant temperature water bath environment control.

NEEDLE BAR ASSEMBLY

Professional standard needles

The standard needles are provided by designated professional special needle manufacturers, and are regularly sent to third-party for verification. The quality of the needles strictly meets the specification requirements of $2.5 \pm 0.05\text{g}$.



POWERFUL DATA PROCESSING CAPABILITY

Calculate the penetration index PI, equivalent softening point T800 and equivalent brittle point T1.2 according to the test results. Intelligently analyze the results and prompt the user.

Data uploaded online. The device comes with a 485 interface (ModBus protocol), which can realize real-time data networking.

SPECIFICATIONS

Measuring range	0~450 penetration
Constant temperature water bath	Temperature measuring range: 0.00~50.00°C Temperature control range: Low temperature: 15°C lower than ambient temperature; High temperature: 50.00°C Resolution: 0.01°C Temperature control accuracy: $\leq \pm 0.1^{\circ}\text{C}$
Time control	0-60 seconds (arbitrary setting)
Displacement control	Adopting high-precision LVDT displacement sensor, split structure, no friction when the needle bar falls. Measuring range: 0-50mm Resolution: 0.01mm (0.1 Penetration) Relative displacement accuracy: $\leq \pm 0.1\text{mm}$
Data storage	200 groups
Dimensions	390mmx 310mm x575mm(length × width × height)

