

# RING AND BALL SOFTENING POINT APPARATUS—AUTOMATIC

101-B0098-30

**MatCivTest**  
MATERIAL CIVIL TEST EQUIPMENT

## 101-B0098-30 AUTOMATIC RING AND BALL SOFTENING POINT APPARATUS

It is suitable for determining the softening point of road petroleum asphalt, polymer modified asphalt, liquid petroleum pitch, coal pitch distillation residue, emulsified pitch evaporation residue, marking coatings, and some resin products. It is the ideal instrument for asphalt manufacturing companies, highway and bridge construction companies, relative college and universities, and scientific research institutes.

### FEATURES

- The water bath test at 5~90C can be selected, and the glycerol test at 35~+160C can also be performed;
- Adopt microcomputer control, automatic stirring, linear heating, and the heating rate maintains the standard requirement of 5C/min;
- A laser beam sensor is used to automatically detect the softening point value of asphalt softening 25.4mm. After the test is completed, the test results are automatically displayed and printed;
- The heating rate is automatically recorded, and the heating record per minute can be queried through the query function;
- Adopt 7-inch LCD touch screen, Chinese and English bilingual operating system;
- The beaker is made of high temperature resistant glass, and the specifications and dimensions of the steel ball positioning ring and steel ball meet the standard requirements;
- Small desktop structure, the control system and the heating system are separated (one left and one right), which avoids the failure of the electronic components caused by the high temperature test of the heating system.



### TECHNICAL PARAMETERS

Power supply: AC(220±10%)V, 50Hz

Temperature resolution: 0.1C

Heating rate: After three minutes of the beginning of the test, automatically adjust to  $5 \pm 0.5C/min$

Heating power: 650W

Medium stirring: Magnetic stirring, stirring speed 0-300 r/min, stepless speed adjustment

Effective volume of beaker: 1000ml

Display: LCD touch screen

Communication interface: RS-232C

Applicable ambient temperature: 15C~35C

Relative humidity:  $\leq 85\%$

Power: <700W

Dimensions: 420mm×270mm×370mm

Weight: 12kg