



## LSPT-A10

# Automatic Softening Point Tester

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Automatic softening point tester LSPT-A10 is a bench top microprocessor controlled analytical unit that determines the softening point of two samples at once. Operated via touch panel it uses ball and ring apparatus for reliable detection. Designed as per Test methods of Bitumen and Bituminous Mixture for Highway Engineering and ASTM D36 Standard test method for Softening of Bitumen (Ring-and-Ball Apparatus) it is ideal for determining the softening points of petroleum asphalts, coal pitch, liquid petroleum asphalt, etc.

### Features

- Microprocessor controlled compact structure
- Automatic stirring, linear heating and test result detection
- High temperature resistant glass made beaker
- LCD display
- Dual sample simultaneous softening point detection
- Automatic print of test results
- Light touch panel
- Connects easily to PC

### Applications

Used in asphalt manufacturing companies, highway and bridge construction companies, laboratories, universities, scientific research institutes, etc.

### Specifications

| Model                   | LSPT-A10                       |
|-------------------------|--------------------------------|
| Measurement range       | 32 °C ~ 160 °C                 |
| Ambient temperature     | 35 °C                          |
| Temperature resolution  | 0.01 °C                        |
| Beaker volume           | 1000 mL                        |
| Relative humidity       | ≤85%                           |
| Heating power           | 600 W                          |
| Total power consumption | ≤ 700 W                        |
| Power supply            | AC 220V ( -5 % ~ 10 % ), 50 Hz |

## Standard accessories

| Sr. No | Name   | Unit   | Quantity |
|--------|--|--------|----------|
| 1      | Automatic Softening Point Tester                               | Set    | 1        |
| 2      | Steel ball locator   | Piece  | 2        |
| 3      | Steel ball   | Piece  | 2        |
| 4      | Shoulder ring  | Piece  | 2        |
| 5      | Beaker   | Piece  | 1        |
| 6      | Stirring bar   | Piece  | 1        |
| 7      | Temperature sensor and cable                                   | Piece  | 1        |
| 8      | W-line   | Piece  | 1        |
| 9      | Fuse 6A ( $\Phi$ 5 × 20 )                                      | Piece  | 2        |
| 10     | Software CD  | Piece  | 1        |
| 11     | Printer paper  | Roll   | 1        |
| 12     | Glycerin ( 1000 ml )   | Bottle | 2        |
| 13     | Softening point thermometer ( 30 ~ 180 ) °C, scale mark 0.5 °C | Piece  | 1        |
| 14     | Bracket box  | Piece  | 1        |
| 15     | Thermometer stopper (3#)                                       | Piece  | 1        |
| 16     | Stopping ring for thermometer (1#)                             | Piece  | 2        |
| 17     | Operation manual   | Piece  | 1        |
| 18     | Quality certificate  | Piece  | 1        |
| 19     | Product Warranty Card  | Piece  | 1        |
| 20     | Micro printer installation usage                               | Piece  | 1        |

## Standard accessories

| No. | Name             | Quantity               |
|-----|------------------|------------------------|
| 1   | Glycerol         | 500ml ( 1 bottle )     |
| 2   | Bitumen solvent  | 2L / bucket            |
| 3   | Talcum powder    | 500 grams              |
| 4   | Scraper          | 1 piece                |
| 5   | Hairbrush        | 2cm width ( 2 pieces ) |
| 6   | Electric furnace | 1000 W ( 1 piece )     |