SYD-0709A Marshall Stability Tester

Summary

This instrument is designed and made as per industrial standard T0709-2011 in JTG E20-2011 Standard Test Methods for Bitumen and Bituminous Mixtures for Highway Engineering. It is used to do the Marshall stability test for bituminous materials.

I. Main technical features

1. This instrument has functions of parameters setting, measurement calibration, automatic test control, automatic data collection, and time. The control unit will collect the stability and flow value for sample and judge the peak value automatically.
2. LCD display shows the stability, flow value, curves, result and time. The testing effect is intuitive.
3. 100 groups of test data and test time can be stored in the instrument and call out whenever needed. All procedures will be controlled automatically. 4. RS232 communication port. Realize the communication with an upper computer. The data process, store, print and display can be controlled by a PC. Also, the test procedures can be controlled by a PC.
5. This instrument also has functions for manual lifting, lowering and stopping. Convenient to use.

Note：Φ100mm sample clamp is in a standard accessory list for this instrument. Users can also select clamps as below:

1. Sample clamp： Φ150mm, one piece
2. Sample clamp： Φ100mm and Φ150mm, one for each.

II. Main technical specifications

1. Maximum load：50kN
2. Measuring range： ≤40kN
3. Measuring bias： ≤±0.1kN
4. Overload protection：Automatically protect when load is over 39kN
5. vertical deformation（flow value）： Range 0～20mm, bias ≤±0.05mm
6. Lifting rate for pressure machine： (50±5) mm/min
7. Communication port：RS232
8. Power supply： AC220V±10%，50Hz
9. Ambient temperature：0℃～60℃
10. Dimension：600mm×380mm×840mm
11. Motor power： 550W
12. Net weight：98kg