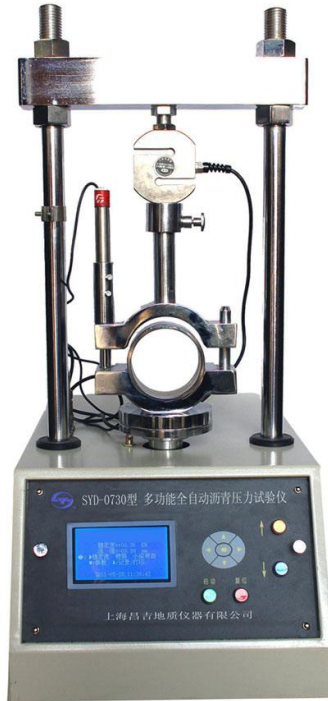


# **SYD-0730 Multifunctional Fully-automatic Asphalt Pressure Tester**



## **Summary**

The instrument is designed and made as per T0709-2011 “Bituminous Mixtures Marshall Stability Test” 、 T0715-2011 “Bituminous Mixtures Bending Test” 、 T0716-2011 “Bituminous Mixtures Splitting Test” in the Industry Standard of People’s Republic of China JTG E20-2011 Standard Test Methods for Bitumen and Bituminous Mixtures for Highway Engineering. It is the dedicated device for determining the stability of bituminous mixtures 、 flow value.It is suitable to do the determination of Marshall stability, bending and splitting as per above standards.

## **I. Main technical characteristics**

- 1.The instrument adopts desktop structure. One machine has many uses. And it can do the determination of bituminous mixtures Marshall stability, bending and splitting.
- 2.The instrument adopts advanced sensor technology and microcomputer processing technology, and it has functions of setting parameters, measurement calibration, automatic test control, automatic data acquisition and real-time clock.
- 3.The instrument can acquire test data and judge the peak value automatically to the sample’s stability and flow value at the same time.The large screen LCD can indicate the stability value, flow value test data, curve, test results and test time.
- 4.The instrument can storage 100 groups test data and test time, and it also can look over readily.The whole procedure can be finished automatically and automatic reset.
- 5.The instrument is equipped with an RS232 serial communication port and it is convenient to communicate with an upper computer.The computer can deal with, storage, print and display data, it also is controlled by the computer, for testing and printing.

## **II. Main technical parameters and specifications**

1. Max. Load: 50KN, bending test 5KN;
- 2.Sensor measuring range: Stability, splitting sensor measuring range  $\leq 40\text{KN}$ ;  
Bending sensor measuring range  $\leq 4\text{KN}$ ;
- 3.Loading protection: Loading value  $> 39\text{KN}$  (stability, splitting sensor) and  $3.9\text{KN}$  (blending measuring sensor) loading protection function.
- 4.Measuring error: Bitumen mixture stability measuring error  $\leq +0.1\text{KN}$ ;  
Bending stability measuring error  $\leq +0.01\text{KN}$ ;
- 5.Vertical deformation(flow value )measuring range :  $0\sim 20\text{mm}$ .Measuring error: $\leq +0.05\text{mm}$ ;
- 6.Compactor rising speed :  $50\text{mm}+5\text{mm}/\text{min}$ ;
- 7.Communication port: Adopting RS232 serial communication port, and it can realize communication with computer ;
- 8.Power supply: AC220V+10%,50Hz;
- 9.Environment temperature:  $0^{\circ}\text{C}\sim 60^{\circ}\text{C}$ ;
- 10.Electric motor consumption: 550W;
- 11.Dimension:  $600\text{mm}\times 380\text{mm}\times 900\text{mm}$ ;
- 12.Total weight: 98Kg.