



Model: SVT

Saybolt Viscometer

The instrument is designed and made as per T 0623 and ASTM D88 Bitumen Saybolt Viscosity Test (Saybolt Viscometer Method) in the JTJ052 Standard Test Methods of Bitumen and Bituminous Mixtures for Highway Engineering.

It is suitable to determine the Saybolt viscosity of bitumen and bituminous mixtures under a constant temperature as per T0623.

I. Main Features

1. This instrument is composed of bath, temperature controller, parameters display and calculation(calibration coefficient, time, viscosity and so on).
2. This instrument adopts micro computer technology.It equips double lines to detect.It can determine two samples at the same time. It can display the parameters and calculate the arithmetic mean value automatically.
3. This instrument can convert the Saybolt viscosity to Engler viscosity and kinematic viscosity automatically. Operator can get three viscosity data from one test. The work efficiency is high.

II. Technical Specifications

1	Power supply	AC (220±10%) V 50Hz
2	Instrument structure	Desktop
3	Working mode	Double lines, parallel test
4	Receiving flask	(60±0.0)5ml
5	Heating power of bath	1000W
6	Working temperature of bath	Room temp.~240.0℃
7	Timing range	0.0s~999.9s
8	Timing accuracy	±0.1s

9	Ambient temperature	≤35℃
10	Relative humidity	≤85%
11	Overall dimension	360mm×360mm×790mm

III. Accessories

No.	Name	Unit	Quantity	Remark
1	SVT Saybolt Viscometer	Set	1	
2	Sample receiving flask	Piece	2	
3	Stopper handle	Piece	2	
4	Stopper	Piece	10	
5	Mercury thermometer 0~50 ℃, scale division is 0.1 ℃	Piece	1	
6	Mercury thermometer 0~300 ℃, scale division is 1 ℃	Piece	1	
7	Stopper for glass thermometer (silicon gel stopper 8 #)	Piece	1	
8	Stopping ring for thermometer (1#)	Piece	4	
9	Operation manual	Piece	1	
10	Quality certificate	Piece	1	
11	Repair guarantee	Piece	1	

V.Saybolt Viscometer's Reagent and Auxiliary Equipments

No.	Name	Specification	Quantity	Remark
1	Glycerol	500ml	8 bottle	Test temperature above 80°C
2	Distilled water	Three grade	2 litres	
3	Petroleum solution		1 litre	Gasoline