



SAYBOLT VISCOMETER

1. Available Variants

1. **Saybolt Viscometer – Digital Controller And Motorised Stirrer**
2. **Saybolt Viscometer – Energy Regulator**
3. **Saybolt Viscometer – Refrigerated**

2. Common Details

Compliance Standards

Saybolt Viscometer – Digital Controller And Motorised Stirrer / Saybolt Viscometer – Energy Regulator

IS:3117-2019 / ASTM D88, AASHTO T72

Saybolt Viscometer – Refrigerated

ASTM D88 / IS:3117-2019, AASHTO T72 / BS 2000-72

Construction Details

1. The apparatus consists of stainless steel bath with oil cup which is centrally placed in a water bath.
2. The bath has a lid, which contains a water cooling tube, thermometer socket and a straight heater.
3. Temperature is controlled by PID Digital Temperature indicator cum controller.
4. Stirring is done by FHP motorized stirrer.
5. A thermometer can be inserted into the cup cover to cross check the Digital controller.
6. Two jets - One Universal (1.765 mm) and One Furol (3.150 mm) can be screwed to the cup by a handle.
7. Entire assembly works on 220 Volt, 50 Hz, Single phase, AC Supply.

Accessories Available At Extra Cost

1. ASTM/IP Glass Thermometers
2. Digital Stop Watch (Essential accessory)
3. Withdrawal Tube
4. Strainer for Filtering
5. Flask - 60 ml / 60 CC (Essential accessory)

Corporate Office:

A-1301, BVR Ek, Opp. Hotel Inder Residency,
Near Gujarat College, Ellisbridge,
Ahmedabad-380 006.
Phone : (079) 6621 1234
Website : www.eieinstruments.com

Calibration Laboratory:

Survey No. 1098, Nr. Mahakali Temple,
Opp. Primary School, Village Kubadthal,
Tal-Daskroi, Ahmedabad-382 433.
Phone: (079)-3520 8300
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GST TIN No. : 24AABCE4018L1ZU
I.T. PAN No. : AABCE 4018L
IEC No. : 0813026598 Dt. 04/03/2014
CIN No. : U29199GJ2004PTC045078
TAN No. : AHME00572F



3. Variant Details

3.1 Saybolt Viscometer – Digital Controller And Motorised Stirrer

The apparatus consists of stainless steel bath with oil cup which is centrally placed in a water bath.

A thermometer can also be inserted into the cup cover to cross check the Digital controller.
(available at extra cost)

Following parts and accessories will be the part of standard supply:

1. Main Frame : 01 No
2. Stainless Steel Bath : 01 No
3. Thermometer Support : 01 No
4. Universal and Furol Orifice : 01 No each
5. Orifice wrench : 01 No
6. Power Cord : 01 No
7. Operation Instruction Manual : 01 No

Technical Specification

Specification	Details
Overall Dimensions	400 X 320 X 540 (L X W X D) mm
Net Weight	12.5 kg

3.2 Saybolt Viscometer – Energy Regulator

Following parts and accessories will be the part of standard supply:

1. Main Frame : 01 No
2. Stainless Steel Bath : 01 No
3. Thermometer Support : 01 No
4. Universal and Furol Orifice : 01 No each
5. Orifice wrench : 01 No
6. Power Cord : 01 No
7. Operation Instruction Manual : 01 No

Technical Specification

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Specification

Details

Overall Dimensions 280 X 220 X 480 (L X W X D) mm

Weight (Approx.) 3.250 Kg

3.3 Saybolt Viscometer – Refrigerated

Applications

The Saybolt Viscometer is used to determine empirical measurement of Saybolt Viscosity of petroleum products at specified temperatures.

The time it takes for a 60 ml sample to flow through a tube with a specified diameter (furol (3.150 mm) and universal (1.765 mm)) is measured and reported in seconds.

The viscometer can be used at any temperatures between 21 and 99 °C.

The viscometer includes waterbath, motorized stirrer, Refrigeration system, electric heater with digital temp. controller with control accuracy of $\pm 0.1^{\circ}\text{C}$.

Construction Details:

1. The apparatus consists of stainless steel bath with two sample cup.
2. The bath has a lid which contains a thermometer socket and a straight heater.
3. Temperature is controlled by PID Digital Temperature indicator cum controller.
4. Stirring is done by FHP motorized stirrer.
5. A thermometer can be inserted into the cup cover to cross check the Digital controller.
6. Two jets - one universal and one furol can be screwed to the cup by a handle.
7. Entire assembly works on 220 Volt, 50 hz, Single phase, AC Supply.

Supplied With Following Parts And Accessories

1. Universal Orifice : 2 pc
2. Furol Orifice : 2 pc
3. Thermometer Support : 2 pc
4. Tube wrench : 1 set
5. Stopper : 2 pcs
6. Operation Instruction Manual : 1 Pc

The Following Accessories Are Available At Extra Cost

1. ASTM/IP Glass Thermometers
2. Digital Stop Watch (Essential accessory)

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3. Withdrawal Tube
4. Strainer for Filtering
5. Flask - 60 CC (Essential accessory) - 2 Nos.

Technical Specification

Specification	Details
Overall Dimensions	800 X 400 X 700 (L X W X H) mm
Weight (Approx.)	47.00 per unit

4. Common Specifications

Specification	Details
Temperature Controller	PID Digital Temperature indicator cum controller
Stirring	FHP motorized stirrer
Universal Jet	1.765 mm
Furol Jet	3.150 mm
Power Supply	220 Volt, 50 Hz, Single phase, AC Supply

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