



Available Variants

- Grease Roll Stability Test Apparatus – ASTM D1831 – 4 Cylinders
- Grease Roll Stability Test Apparatus – ASTM D1831 – 2 Cylinders

Compliance Standards

ASTM D1831, MIL G 10924

Purpose

This test method covers determination of the changes in the consistency, as measured by cone penetration, of lubricating greases when worked in the roll stability test apparatus. It simulates the effect of squeezing grease between the rollers and the outer race of a roller bearing.

Construction Details

1. Specially designed for long runs at elevated temperature up to 50°C. Can go beyond 50°C on special request from customer end at extra cost.
2. Excellent heat uniformity due to fan-assisted air circulation.
3. Factory-adjusted overheat cut-off system.
4. Automatic cut-off whenever the cover is lifted.
5. Heaters and drive chain mechanism are shielded for operator safety.
6. Stainless steel cylinder containing the test grease.
7. Fitted with stainless steel roller which rotates within the cylinder.
8. Base with roller supports allowing the rotation.
9. Adjustable rotational speed with RPM display.
10. Insulated steel cabinet and base are finished with a durable polyurethane enamel finish.

Technical Specifications

Parameter	Specification
Capacity	Up to 2 cylinders / Up to 4 cylinders
Rotational Speed	10 to 200 RPM – 2 Cylinder Model / 20 to 200 RPM – 4 Cylinder Model
Temperature Range	Ambient to 50°C
Temperature Display	LED Display

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,
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Tal-Daskroi, Ahmedabad-382 433.
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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



Parameter	Specification
Temperature Control	Microprocessor-based Auto Tune PID Digital Temperature Controller cum Indicator
Temperature Accuracy	$\pm 0.1^{\circ}\text{C}$
Temperature Resolution	0.1°C
Temperature Sensor	Pt-100
Operating Voltage	110/120 V, 60 Hz or 220/240 V, 50 Hz
Weight of Roller	5 kg $\pm$ 50 grams
Roller Size	ID. 60.33 $\pm$ 0.25 mm $\times$ Length 176.21 $\pm$ 0.25 mm
Cylinder Size	ID. 90.09 $\pm$ 0.25 mm $\times$ Length 180.18 $\pm$ 0.25 mm
Power	1.8 kW
Weight	68 kg

Included Accessories

The 4-cylinder model is supplied with 4 test cylinders, 4 test rollers and tools for closing and opening the cylinders.

The 2-cylinder model is supplied with 2 test cylinders, 2 test rollers and tools for closing and opening the cylinders.

1. Test Cylinders with threaded end caps and O-ring seals.
2. Test Rollers, steel, 5 kg.

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