



EIE INSTRUMENTS PVT. LTD.
(An ISO 9001:2015 Certified Company)

SKID RESISTANCE TESTER-

Compliance with following International Standards:

ASTM E303, BS EN 1097-8

Applications:

The instrument is used to measure the resistance value of the asphalt pavement marking, stone, or other material (specimen) and to assess anti-sliding ability of the road and the road surface material (specimen) in wet or humid conditions. Used to determine friction coefficient on flat, cambered or gradient road surface like highway pavement, city road pavement, airport track.



Working Principle:

The apparatus is quite basic in operation. It is robustly designed and does not easily go out of calibration, if treated properly.

It is a dynamic pendulum impact apparatus. The instrument is developed according to the theory of "pendulum's potential loss is equal to work caused by the rubber sheet, attached at the end of pendulum arm, overcoming the friction force when it is sliding on the pavement".

Instrument Operation:

The process is quite simple - The pendulum is released from the horizontal position by a quick release button. It swings down with uniform force each time, and the rubber slider attached at the bottom end of the pendulum arm, contacts the road surface for a fixed length.

The degree to which the pendulum will rise up the calibration on the left-hand side of the image, will be dependent on the friction / resistance, the rubber slider meets on the road surface. The more the friction / resistance, the less the pendulum will rise and the higher will be the value of Skid Resistance Value (SRV) of the road surface and vice versa.

Supplied with following parts and accessories:

1. Instrument carrying case
2. Tool roll with tools
3. Water bottle spray trigger action

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:

B-14, Zaveri Industrial Estate, Opp. Shyam Villa,
Singarva-Kathwada Road,
Kathwada, Ahmedabad-382 430.
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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



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4. Operation & Instruction Manual
5. Calibration Certificate report

Technical Specification

•Shaking moment of force	: 615000 g*mm
•Pendulum bob weight	: 1500 g ± 30 grams
•Moment of pendulum baby center	: 410 ± 5 mm
•Face-on static pressure on pavement	: 22.2 ± 0.5 KN
•Measuring Range	: 410 ± 5 mm
•Distance b/w edge and center of pendulum	: 508 mm
•Weight	: 25 Kgs

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