



Pendulum Skid Resistance Tester

Code: 42-6000

Product Group: [Skid Resistance Testing](#), [Skid Resistance Testing](#)

The Pendulum Skid Resistance Tester was originally designed in the 1940s in the USA and further developed in the 1960s at the TRL (Transport Research Laboratory) for the testing of road surfaces.

The device measures the frictional resistance between a rubber slider mounted on the end of a pendulum arm and the surface to be tested. This provides road engineers with a method of checking the resistance of wet and dry surfaces to slipping and skidding, both in the lab and in situ.

It operates by a pendulum rotating about a spindle which is attached to a vertical pillar. At the end of the tubular arm, a head of known mass is fitted with a rubber slider. The pendulum is released from a horizontal position so that it strikes the sample surface at a constant speed. The distance travelled by the head after hitting the sample is determined by the friction of the sample surface.

Standards

EN 1097-8:2009, EN 1436:1997, EN 13036-4:2003, ASTM E303-93, BS 812 Pt 114, BS 6077 Pt 1, BS 7044, BS 7188, BS 8204, BS 7976

Further Information

Applications:

- Assessment of surface friction and skid resistance properties
- Testing of aggregates in the PSV (Polished Stone Value) test
- Testing of new road surface materials
- Testing of pedestrian pavements
- RTA (road traffic accidents)
- Litigation investigations

Features:

- Designed for lab and on site road surface testing
- Factory calibrated to EN1097-8
- Low friction arm, and lightweight pointer
- Supplied with 'F' scale for use with small slider set for 76mm slide length (PSV test)
- Highly repeatable
- Supplied with carrying case

Specification

| | |
|--------------------|--------------------|
| Dimensions (WxDxH) | 695 x 295 x 695 mm |
| Volume | 0.15m3 |
| Weight | 30 kg |

Accessories



1.25" Rubber Mounted PSV Slider for 42-6000

Code: [42-6000/11](#)



3.00" Rubber Mounted CEN Slider for 42-6000

Code: [42-6000/14](#)



3.00" Rubber Mounted Four S (96) Slider for 42-6000

Code: [42-6000/13](#)



3.00" Rubber Mounted TRL (55) Slider for 42-6000

Code: [42-6000/12](#)



Base Plate for Skid Resistance Tester for lab testing

Code: [42-6200](#)



First traceable calibration for 42-6000

Code: [42-6000/15](#)



Set of 3 Spreader Feet for Skid Resistance Tester for in-situ testing

Code: [42-6000/10](#)