

PORTABLE SKID RESISTANCE TESTER

For Determining friction of Asphalt



The **Stanley Portable Skid Resistance Tester** is a direct reading instrument that provides the measure of the friction between a skidding tyre and wet road surface. The **Instrument facilitates a road or runway engineer, based on numerical scientific results,** information on whether a measure needs to be taken to reduce skidding

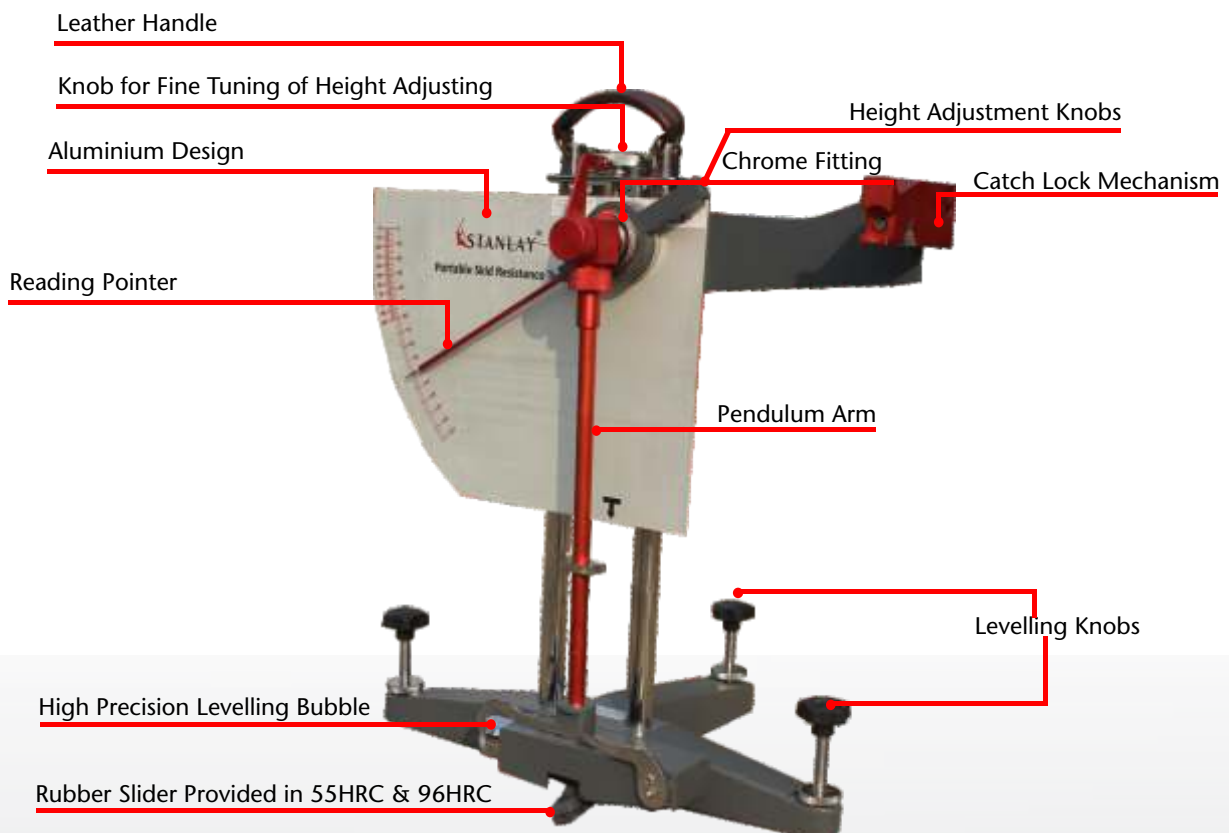
The instrument can also be used for testing on tiles, surfaces especially relevant to areas with high thoroughfare/ human traffic.

Conforms to: EN 1436, EN 13036-4, ZTVM 02



Working Principle:

The Portable Skid Resistance Tester (PSRT) is based on the Izod principle. In operation, a pendulum of a known mass rotates about a vertical spindle. The head of the pendulum is fitted with a Rubber Slider, which has a specific hardness and resilience. When released from a horizontal position, the pendulum head strikes the sample surface with a constant velocity. The distance travelled by the pendulum after striking the sample, is determined by the friction resistance of the sample surface. The skid resistance values which approximately correspond to the coefficient of friction times 100 are read directly from the clearly engraved scale.



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Application:

- Roads & Highways QC testing
- Runway testing
- Educational and Research in the above field
- Testing of new road surface materials under development
- Testing of pedestrian walkways, terrazo/tiles
- Traffic accident investigations

Features:

- Portable Skid Resistance Tester to determine the friction of asphalt and flooring material.
- Release mechanism, low friction pendulum arm for better accuracy.
- For high precision results Extremely light pointer.
- Slider lifting system integrated in the pendulum foot that guarantees reliable adjustment operations.
- Easy and reliable height adjusting system.

Specification:

Dimensions	75 ± 1 mm wide, 24 ± 1 mm deep, 6 ± 1 mmthick				
Hardness BS ISO 48:2010	55 ± 5, and 96 ± 5				
Resilience Lupke Rebound Test BS ISO 4662:2009					
Temperature °C	0	10	20	30	40
Resilience %	43 to 49	58 to 65	66 to 73	71 to 77	74 to 79

Product supply includes: Portable skid resistance tester, (adjustable in height with pendulum and scale), large mounted rubber sliders(3 pcs of HRC 55, and 3pcs of HRC 96), Perspex setting gauge, tools, thermometer -10° C to +50° C (14°F to 122°F), water bottle and instruction manual.

Optional:

To allow maximum flexibility, a fully fitted **Flight Case** is also available. Please specify if this is required when requesting a quotation. If the Portable Skid Resistance Tester is purchased without a Flight Case, the instrument will be sent in a fitted, foam-filled export carton.



Item code: SRT1090