

## PENDULUM

### STANDARD

EN 1097-8 : 2000 e BS 812 Pt. 114, EN 1436:1997, EN 1303-4:2003, EN 1338, EN 1341, EN 1342, EN 14231, BS 6077 Pt.1, BS 7044, BS 7188, BS 8204, BS 7976, ASTM E303, AS/NZS 4586:2013, EN 16165 - Annex C

### DESCRIPTION

Instrument for the determination of the slipperiness according to the standards. Portable instrument, designed and constructed to the requirements and can be used to test and give a direct reading measurement of:

1. *Testing of slip resistance of tiles and walkways (for this measurement a special (4-S) Four-S slider (Standard Simulated Shoe Sole) is used. Where the surface roughness exceeds a certain value, the TRL slider may also be used as an alternative to the (4-S) Four-S Slider.*

The Pendulum measures the frictional resistance between a rubber slider mounted on the end of a pendulum arm and the test surface. This provides highway and flooring engineers with a routine method of checking the resistance of wet and dry surfaces to slipping and skidding. The pendulum arm has a spring-loaded rubber slider on the pendulum foot. The Pendulum device is placed on the portion of the road/floor surface to be tested. It is then levelled, and the height of the centre of suspension of the pendulum is adjusted to a fixed value which is read on a special gauge. The pendulum is then released from its horizontal position, to swing down freely until the rubber slider contacts the test surface. As the slider travels across the surface for a fixed distance, the pendulum is slowed and a frictionally-constrained pointer affixed to the pendulum arm measures the highest point in the pendulum arc. The position of the pointer is then read on a measuring arc graduated from 0 to 150. Pointer readings indicate the resistance to skidding of the test surface.

*The instrument is supplied "WITHOUT rubber slider, that have to be ordered separately (see accessories below).*

### TECHNICAL SPECIFICATIONS

Standard Equipment ( EN 1097-8:2000):

- Tool roll with tools
- Folding stool
- Water bottle spray trigger action type
- Thermometer -10 to +50 °C
- Plexiglass l=125 mm setting gauge
- Operating and instruction manual
- Instrument and rubber calibration certificate
- Aluminium carrying case with dense foam inserts
- Support base
- Abrasive paper
- 3 Float glass

### ACCESSORIES AND SPARE PARTS

GT2560	N°1 MOUNTED SLIDER TRL 3" TRL (57) rubber pad and slider bracket used for tests according to EN 16165
GT1013	N° 1 MOUNTED SLIDER TRL 3" :TRL (55) rubber pad and slider bracket, used for Road testing, with certificate of conformity
GT0823	N° 1 MOUNTED SLIDER 4 'S' (Four-S) 3" :4 'S' (96) rubber pad and slider bracket, used for Floor testing and Natural stone, with certificate of conformity
GT1735	N°2 Pack of 10 sheet green lapping paper 3m:used for conditioning slider and checking skid tester for use with floortesting
GT1275	N° 1 pack of 10 sheets PINK LAPPING PAPER 3M:Used for conditioning slider and checking skid tester for use with floor testing
GT2095	Plexiglass base
GT2556	Tool set for Pendulum
GT2243	Float Glass calibration plate
GT2665	Pavigres tile



CODE .....GT0818  
OVERALL DIMENSION...720x220x730 mm  
WEIGHT ..... 30 kg

