



DIN Abrasion Tester Model: ADL-DAT01, ADL-DAT03



Application

It is used to determine wear performance test of materials like elastic material, rubber, tires, conveyor belts, conveyor belts, shoe soles.

Standards

DIN-53516, JIS-K6369, JIS K6264-2, GB/T 20991 section 8.3, GB/T 20265, GB20266-2006, GB/T 9867, EN ISO 20344-2020 section 8.4, AS/NZS 2210.2 section 8.3, ISO 4649, BS903-A9 Method A, ASTM D5963, ISO20871, QB/T2884, SATRA TM 193, SATRA TM174, EN 12770

Features

- Body paint baking processed, easy for maintenance
- Color touch-screen control, digital counting, automatically stop after test finished
- Equipped with vacuum suction port device, automatically clean dust during test.

Principle

Under certain touching pressure and contact area, sample becomes a certain angle with sandpaper and determine its abrasion performance caused by a certain level of sandpaper. Pack sandpaper outside the surface of roller. The sample is pressed against the roller with sandpaper, which makes sample lateral moving along roller. Abrasion is caused under the other side of cylindrical specimens measuring the mass loss of sample value and count the wear amount by sample density.

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Key Specification

Model	: ADL-DAT01		ADL-DAT03
Test positions	: 1		3
Control Mode	: Touch screen controlled		
Diameter of wear wheel	: 150mm		
Specimen dimension	: Ø16.2 mm x thickness 6-10 mm		
Specimen moving speed	: 4.2 mm/r		
Weights	: Holder 2.5N, can be used arbitrarily with optional accessory 2.5N, 5N (each for one)		
Wear wheel speed	: 40±1rpm		
Inclination angle	: 3°, Test piece support shaft of test piece becomes vertical angle with roller.		
Grit size of sandpaper	: #60		
Roller length	: 460mm		
Wear stroke	: 40m		
Power supply	: 1 φ AC 220V 50/60HZ 3A		

Accessories

Standard Accessories

2.5N weights	- 1 Set
5N weights	- 1 Set
P60# standard abrasive paper	- 1 pc
Standard cutting die	- 1 pc
Metal blob (Grinding head)	- 1 pc
2mm Gauge	- 1 pc
Power line	- 1 pc

Optional Accessories

Electronic balance (210g, accuracy 1mg)
Standard rubber

**Technical Data Subject to change without notice.*

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