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Product Name :

Wide Wheel Abrasion Testing Machine

Product Code :

SLE/AG/05



Description :

Wide Wheel Abrasion Testing Machine (Product Code: SLE/AG/05) is a rotating-wheel wear tester used to determine the resistance to abrasion of natural stones and concrete products used for paving in construction material laboratories. Paving block producers and civil engineering departments rely on its 70 mm thick wheel turning at 75 rpm, with a digital counter that stops the machine at a preset number of revolutions. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM scientific and technical educational equipment manufacturer in India, atits own factory in Ambala.

Specifications

Parameter	Detail
Application	Resistance to abrasion/wear of natural stones and concrete products used for paving
Abrasion wheel thickness	70 mm
Wheel speed	75 rpm
Control	Digital counter that stops the machine at the end of a preset number of revolutions
Consumables listed	Abrasive corundum sand, calibration marble
Dimensions	620 x 670 x 1350 mm
Weight (approx.)	130 kg
Power	370 W
Product code	SLE/AG/05
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Wide Wheel Abrasion Tester Used For?

The specimen is clamped with its wearing face against the 70 mm wide wheel, abrasive corundum sand is allowed to flow into the gap, and the required revolution count is entered on the digital counter. The machine stops by itself when the count is reached, so every specimen receives the same amount of wear without the operator timing the run. The groove cut into the surface is then measured, and a shorter groove indicates a harder-wearing paving material. The calibration marble is used to confirm that the machine and abrasive produce the expected reference groove before a series of tests.

Keeping the abrasive dry and free of lumps gives an even flow and more repeatable grooves. Buyers often order extra corundum sand along with their lab equipment accessories in India, because it is consumed in every test. Wipe abrasive dust from the wheel and clamp after each session.

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