

RTCDHAKA - Digital Bitumen Penetrometer

Product Catalogue: Digital Bitumen Penetrometer

The RTCDHAKA Digital Bitumen Penetrometer is a precision testing instrument designed to determine the consistency and hardness of bituminous materials. It measures the penetration depth of a standard needle under specific load, time, and temperature conditions, ensuring accurate classification of bitumen grades.

Key Features:

- Digital LCD display with high accuracy (0.01 mm).
- Automatic timer control for consistent testing.
- Motorized lifting for smooth and stable operation.
- Built-in water bath maintains standard test temperature ($25^{\circ}\text{C} \pm 0.1^{\circ}\text{C}$).
- Conforms to ASTM D5 / AASHTO T49 standards.

Technical Specifications:

Display:	Digital (LCD / LED)
Range:	0-50 mm
Least Count:	0.01 mm
Test Load:	100 g (Standard)
Test Time:	5 seconds (adjustable)
Temperature Control:	$\pm 0.1^{\circ}\text{C}$ Accuracy
Power Supply:	AC 220V $\pm 10\%$, 50Hz

Applications:

- Testing of bitumen and asphalt binders.
- Determining the hardness and grade of bitumen.
- Used in highway, construction, and material testing laboratories.

Supplier Information:

RTCDHAKA

Laboratory | Industrial | Civil & Road Testing Equipment Supplier

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