

IK Rating Pendulum Impact Hammer

This pendulum impact hammer is designed for conducting IK rating tests according to the IEC62262 standard. It is used to assess the degree of protection provided by enclosures of electrical equipment against external mechanical impacts.



ADDITIONAL IMAGES



Overview

Precision IK Rating Impact Testing

This pendulum impact hammer is a precision instrument designed for conducting IK rating tests in compliance with the IEC62262 standard. It is engineered to assess the impact resistance of electrical equipment enclosures, lighting fixtures, and electronic devices against external mechanical impacts. Featuring a robust frame and adjustable mechanisms, the apparatus delivers controlled, repeatable impact energies to ensure accurate safety and durability verification.

Technical Specifications

Impact Element Materials

- Nylon (Rockwell Hardness HRR 85-100)
- Steel (Fe 490-2, Rockwell Hardness HRR 80-85)

Pendulum Length

1000 mm

Supported Impact Energies

0.14J, 0.2J, 0.35J, 0.5J, 0.7J, 1J, 2J, 5J, 10J, 20J, 50J

IK Rating Correspondence

IK Code vs. Collision Energy

IK Code	Energy (J)
IK01	0.14
IK02	0.2
IK03	0.35
IK04	0.5
IK05	0.7
IK06	1
IK07	2
IK08	5
IK09	10
IK10	20

Impact Element Characteristics

Impact Element Parameters

Energy (J)	Equiv. Mass (kg)	R (mm)	D (mm)
d1	0.25	10	18.5
2	0.5	25	35
5	1.7	25	60
10	5	50	80
20	5	50	100
50	10	50	125