

HWP18-30SE

Impact Sensitivity Tester



Accurate and Efficient



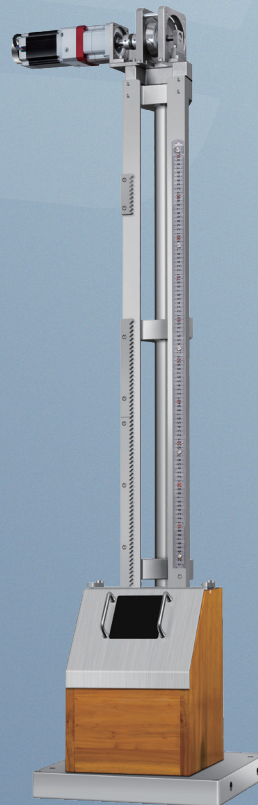
Accurate



Automatic



Safety



The HWP18-30SE Impact Sensitivity Tester determines impact sensitivity in energetic materials (including solid/liquid high explosives, propellants, pyrotechnic compositions, and primary explosives) and evaluates whether substances are too hazardous for transport in their tested form.

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Product Features

- Embedded processor with Windows CE OS.
- 8-inch LCD touchscreen for real-time monitoring.
- Wireless remote hammer lifting/positioning to reduce workload.
- Remote-controlled hammer release for distant operation.
- Self-locking hammer positioning mechanism for simplified handling.
- Anti-rebound design to eliminate safety hazards.
- Quenched steel hammer head (60-63 HRc hardness).
- Dedicated fixtures ensuring ±2mm liquid sample positioning.
- Concrete-anchored base plate for maximum stability.
- Integrated safety containment chamber.
- Customizable test sequences with parameter presets.
- Real-time data display with post-test impact energy analysis.
- Fully automated operation with data logging and reporting.

Test Standards

- UN Manual of Tests and Criteria 13.4.2 Test 3(a)(ii): BAM Drop Hammer
- GB/T 21567-2008GB/T 21848-2008GB 5085.5
- NY/T 1860.6-2010EN 13631-4:2002

Application Fields



Energetic Materials

Technical Specifications

Operating Environment	-5°C – 45°C, < 95% RH
Drop Weights	0.5 kg ±0.1%, 1 kg ±0.1%, 2 kg ±0.1%, 5 kg ±0.1%, 10 kg ±0.1%
Drop Height Range	0–1000 mm
Positioning Accuracy	±1 mm
Guide Rail Perpendicularity	≤ 0.1mm/m
Hammer Concentricity	≤ φ0.15 mm
Reference Surface Flatness	≤ 0.012 mm
Impact Energy Range	0.5–100 J

