

Rubber Low Temperature Brittleness Tester

The Rubber Low Temperature Brittleness Tester measures the highest temperature at which vulcanized rubber is damaged upon impact under specific conditions, known as the brittle temperature. It identifies usability differences between non-rigid plastic and flexible materials at low temperatures, crucial for quality control and research.



Product Overview

Professional Brittleness Analysis

The RT-103 Rubber Low Temperature Brittleness Tester is designed to determine the brittleness temperature of rubber and plastic materials under controlled conditions. This equipment is essential for evaluating the performance of elastomers in extreme cold environments, ensuring compliance with strict industrial standards. It features a high-precision temperature chamber and a reliable pneumatic striking mechanism for repeatable testing.

Performance Metrics

Key Performance Metrics

2 m/s

Impact Speed

1100 W

Power Consumption

700 ml

Cold Well Volume

Technical Specifications

Temperature Range	-60 to 0 °C
Temperature Fluctuation	<±0.5 °C
Impactor to Gripper Distance	11 ± 0.5 mm
Physical Dimensions	720 x 700 x 1380 mm

Compliance and Industry

Primary Industry

Rubber Industry

Applicable Standards

GB1682-82