

Yo-Yo Ball Elasticity Tester

This tester measures the initial length and elastic constant of yo-yo balls. It includes a steel ruler, measurement and graduated scale, and weights.



Product Overview

Precision Testing for Yo-Yo Elasticity

The Yo-Yo Ball Elasticity Tester is a specialized analytical instrument designed for precise quality control and performance evaluation. It enables accurate measurement of initial length and elastic constants through controlled weight application and digital signal transmission. This device ensures consistent testing outcomes for toy safety and durability standards.

Technical Specifications

Key Performance Metrics

150 rpm Max Rotation Speed	1000 mm Max Stroke Length	80 kg Total Weight
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System Features

- Intelligent MCU control system
- DC motor with adjustable speed
- Digital interface for speed and length monitoring
- Adjustable wall or floor stand support
- Encoder-based signal transmission

Physical Dimensions (mm)	400 x 1000 x 1400
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Compliance and Standards

Compliance Certification	ASTM963-08, BS EN71-1 2011
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Testing Protocol

Procedure Summary

Phase	Applied Mass
Initial Length (L1)	0.1 kg
Relaxation Phase	0 kg
Secondary Length (L2)	0.2 kg