

Product Presentation



Application

To determine that points on toys and other articles intended for use by children under 8 years of age, and such points exposed in normal use or as a result of reasonably foreseeable damage or abuse of such toys and articles, present a potential risk of injury by puncture or laceration.



Test Range

Glass toys or components, toys sharp point and metal wires, protrusion on toys, packaging shell of toys driving mechanism, hard materials covering face (like protective eyeglasses, space helmet or helmet shield), toys of affordable children' weight(toys car, ice skates, etc.)

Test Principle

The device has a slot with 0.04 inches width and 0.045 inches long rectangular opening, the two reference sizes sharpness are inserted into the depth of 0.015 inches deep hole of the sensor head. And overcome the spring of 0.5 pound elastic to cause the sensor head to move 0.005 inches again. That was identified as sharp point.



Standards

ISO 8124-1 section 5.9
EN-71-1 section 8.12
16 CFR 1500 section 48
ASTM F 963 section 4.9
GB6675-2 section 5.9

Key Specification

Model	GT-MB04
Bottom slot	0.040 x 0.045 inch (1.15 x 1.02mm)
Touched depth (Slotted vane thickness)	0.015 inch (0.38mm)
Spring elastic force	0.5LB@0.005inch
Power	12V 23A Battery
Dimensions	112x16x16mm
Weight	450g