

Motor Horizontal Brake Performance Tester GT-M31

Product Introduction

Application:

This Brake Test Machine is mainly used to test the motor brake performance of electric ride-on toys .

Principle: Load the toy a suitable static strength load. Measuring the force required to pull the toy on a horizontal plane covered with a surface of abrasive paper (aluminium oxide P60) at a constant speed of (2 ± 0.2) m/s. The motor shall be considered to supply sufficient braking if:

$$FT1 \geq (M + 25) \times 1.7 \quad \text{or} \quad FT2 \geq (M + 50) \times 1.7$$

where

FT1 is the maximum pull force in Newtons for a toy intended for children under 36 months;


FT2 is the maximum pull force in Newtons for a toy intended for children of 36 months and over;

M is the mass of the toy in kilograms.

Standards:

EN71-1 section 8.26.1.3; ISO 8124-1 section 5.16.1

Dimension

External Dimension:	
5500*1480*1750 mm (L*W*H)	
Package Dimension:	
5650*1630*1900 mm (L*W*H)	
Gross Weight:	
980KG	
Net Weight:	
900KG	

Key Specifications

Model	GT-M31
Control system	PLC touch screen control
Load sensor	200kg
Conveyor belt Speed	2 ± 0.2 m/s
Horizontal plane	Covered with Aluminium oxide P60
Dimensions	5500 x 1480 x 1750mm
Weight	900kg

Application Industry

All kinds of electric ride-on toys can be tested by the Motor Horizontal Brake Performance Tester.



All Kinds Of Electric Ride-On Toys