

## EN71 Kinetic Energy Tester Sensor Distance Select 100-500mm



### Product Introduction

KE Tester is a equipment to check the speed of a object (DUT) which pass though the test tunnel .According to the result read out and mass value of DUT, we could calculate the kinetics energy value and know how danger of DUT it is .

Inside the test tunnel of this KE tester, there have three sets of Infra-Red sensor group.

One set for start the timer and other two for stop the timer.

Each group include 30 pairs Infra-Red Sensor. They are located in opposite plate and the Infra-Red light are transmitter and receiver are fix in a opposite and signal will transmit and receive though a 1mm narrow gap.

### Test Standards

EN71, ASTM F963, Hasbro

## Basic requirements

1. 220V AC Input
2. Turn-On the tester and let it warm up for 5min.
3. DUT need to go through the tunnel in horizontally.
4. Diameter of DUT need to greater than 5mm

## Advantage

- 1) 1/10000Sec Time Interval
- 2) Data Save and Average
- 3) 10-50cm Test Range Selectable
- 4) PC Data Out Interface
- 5) Termo Printer
- 6) Accuracy Calibrator

## Basic Function /Specification

Time counter interval	1/10000s
Timer Error	<0.1ms
Sensor distance select	10-50cm
Sensor distance error	<0.5mm

## Technical parameters

Number of samples	1/time
Maximum timing	15.000000S
Timing range	0.000001--15.000000S
Speed display range	0.007M/S—100M/S
Induction spacing	100mm-500mm, error 0.1mm
Minimum diameter of sample	5mm
Volume(WxDxH)	47x87x72cm
Weight (approx.)	≈30kg
Power supply	1 $\phi$ AC 220V 3A

## Assist Part

1. Bullet Simulator.
2. 40cm wide test tunnel
3. Keyboard
4. PC Interface Cable
5. 2" thermal printer
6. Drawer

## 7. Spare thermal paper

