

## Kinetic Energy Tester with Sensor Distance

### 10/50cm V4.0

#### Product Introduction:

KE Tester is an equipment to check the speed of an object (DUT) which passes through 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 includes 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.

#### Basic requirements

- 1.220V AC Input
- 2.DUT need to go through the tunnel in horizontally.
3. Diameter of DUT need to greater than 5mm
- 4.Speed of DUT must lower than 140m/s

#### 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	100-500mm, error 0.1mm
Minimum diameter of sample	5mm
Volume(WxDxH)	89*73*47
Weight (approx.)	≈32kg
Power supply	1 ∅ AC 220V 3A

#### Basic Function /Specification

Time counter interval	1/10000s
Timer Error	<0.1ms
Sensor distance select	100-500mm
Sensor distance error	<0.5mm

## Accessories

1. Bullet Simulator.
2. 40cm wide test tunnel
3. Keyboard
4. PC Interface Cable
5. 5.2" thermal printer
6. Spare thermal paper

## Standards

16CFR 1500 ASTM F963, EN71-1, ISO8124-1

