

Wireless Door Speed

Door speed / energy tester



Door Speed / Energy Measurement System

Battery	Built-in battery, up to 8 hours operation.
Charging method	By USB
Sampling Rate	≥ 1000 S/s
Resolution	16-bits
Interface	Bluetooth
Operating Temperature	0~45°C
Calibration	Yes
Judge of Close Status	Fully Closed, Half Closed.
Support OS	Windows 7/ Windows 10

System Features

- ✓ With Speed / energy testing function, can be applied to the conventional door.
- ✓ Door closed energy analysis: Gravitational potential energy, sealing strip& door hasp staple, limiter& hinge, air resistance
- ✓ Automatic identification of the closing status of doors.
- ✓ Automatic calculation of the traveling angle and displacement of the doors.
- ✓ The speed sensor can be attached to the door by the magnet.
- ✓ The data can be recorded as Access database.
- ✓ Features with Calibrating function.
- ✓ Features with data export.



Speed Sensor

Measuring Range	0.3~2.5 m/sec
Nonlinearity	$\leq \pm 0.1 \% \text{ F.S.}$
Temperature Affection	$\leq \pm 0.02 \% / \text{K}$
Range	250 °/sec
Interface	Bluetooth
Installation Method	Attached by magnet
Operating Temperature	- 10 ~ 50°C



(1) Speed Sensor



(2) Speed & Energy Sensor

Energy Sensor

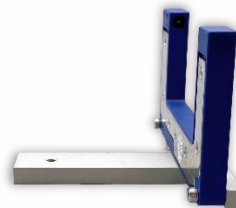
Measuring Range	5kg (Option: 10kg , 25kg)
Nonlinearity	$\leq \pm 0.5 \% \text{ F.S.}$
Temperature Affection	$\leq \pm 0.01 \% \text{ F.S.} / \text{K}$
Safe Overload	150% F.S.
Signal	Bridge circuit
Installation Method	Vacuum chuck with pump
Operating Temperature	- 20 ~ 70°C



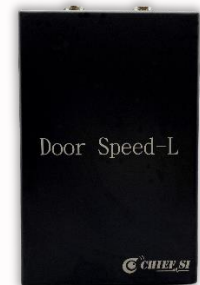
(3) Energy Sensor

Photo Sensor for Sliding Door

Measuring Range	0.1~5.0 m/s
Resolution	0.01 m/s
Cable Length	3 Meter
Light	Laser (Red)
Diameter of Light Spot	0.6 mm
Repetition Accuracy	5 um
Response Time	50 us
Operating Temperature	- 25 ~ 60°C



(4) Photo Sensor



(5) The Host of Sliding Door Test

Ordering Options

<input type="checkbox"/> Door Speed-WL	(1) Only speed module
<input type="checkbox"/> Door Energy-WL	(1+3) Separated/ Speed + energy module
<input type="checkbox"/> Door Energy-WL-E	Energy analysis
<input type="checkbox"/> Door Energy-WL-I	(2) Integration/ Speed + energy module
<input type="checkbox"/> Door Speed-L	(4+5) Sliding Module



Software