

For safety evaluation of automobiles

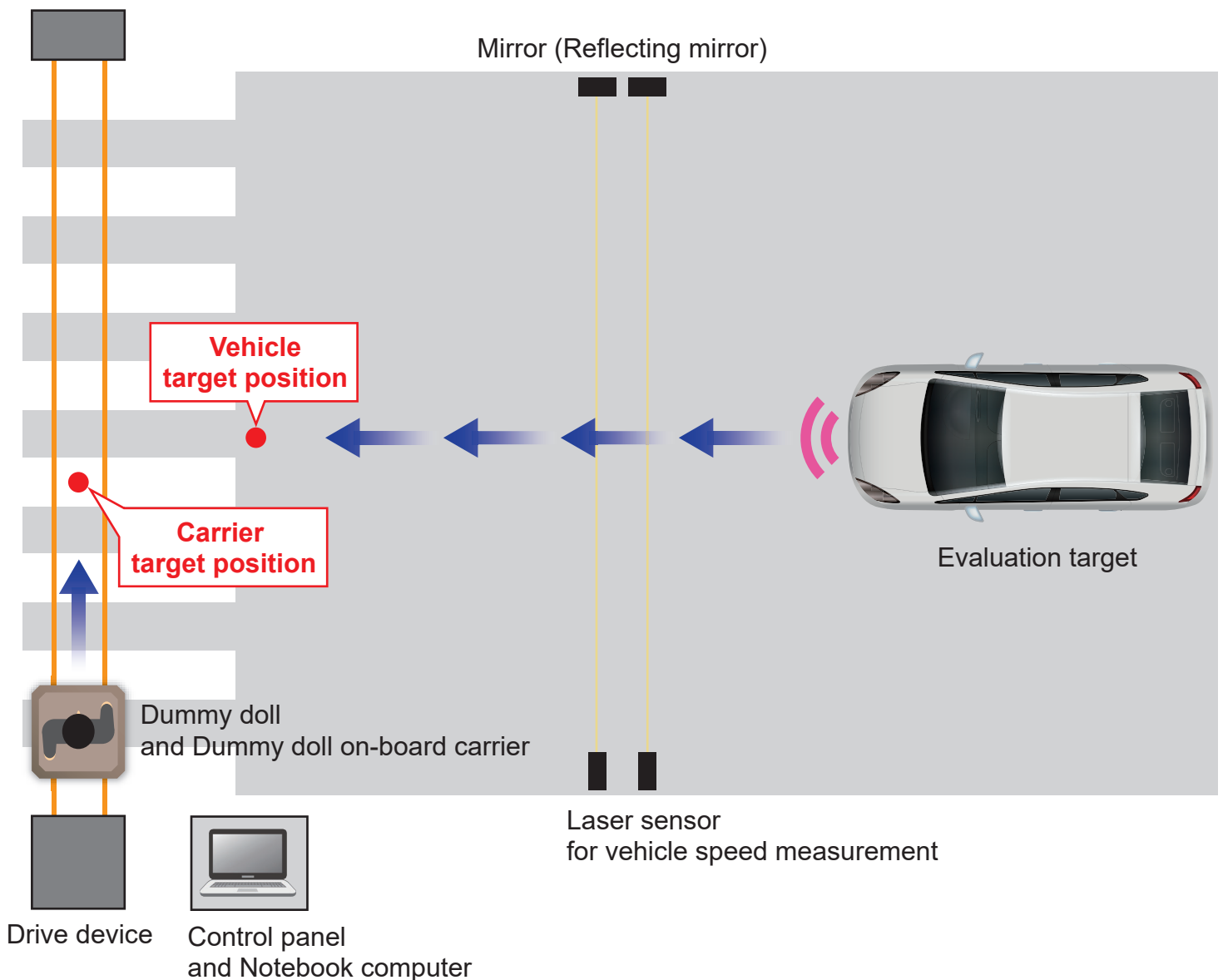
This device evaluates the performance of AEBS(Automatic Emergency Brake system) equipped in automobiles.
A dummy doll simulating a pedestrian can be pushed out to the traveling path of a vehicle corresponding to its driving.

Its divisible design and simple structure make it easy to transport and install.

Automatically measure the vehicle's driving speed with the laser sensor.

The dummy doll is drive controlled with a servo motor. Speed, starting position, and stopping position can be set freely.

(Forward/backward/turning around controls are possible - Option)



Three control modes, Automatic / Manual / Maintenance

1. Automatic mode

Measure the vehicle speed, and operate the carrier automatically. Measure the vehicle speed with the on-board laser sensor, and measure the time until the vehicle reaches the target. Calculate the operation start time of the carrier for the vehicle and carrier to arrive on the target position at the same time, and start operation automatically. A vehicle's target position and the carrier's operation start position, target position, operation end position, the carrier speed, initial speed, and acceleration speed can be set to your preference.

2. Manual mode

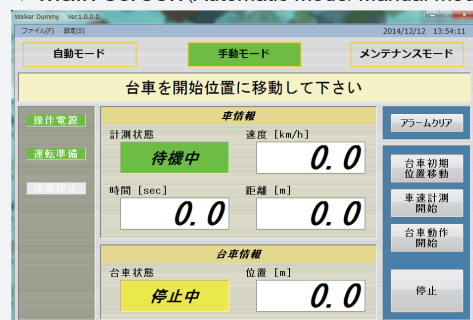
Measure the vehicle speed, and the movement of carrier is operated with the preferred timing by an operator.

3. Maintenance mode

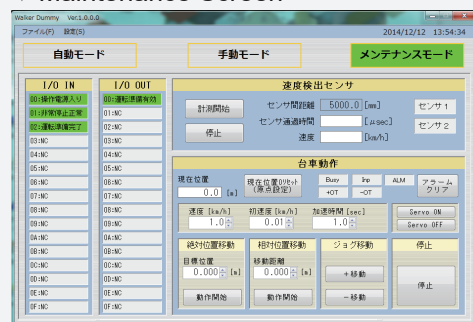
A measurement test of vehicle speed, display of sensor status, verification of vehicle's preferred operation status, and setting of origin point position can be set.

*Control functions on forward/backward/turning around can be added - Option.

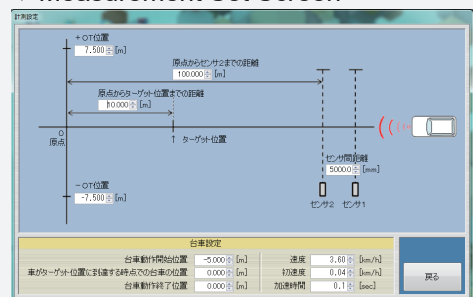
▼ Main screen (Automatic mode/Manual mode)



▼ Maintenance Screen



▼ Measurement Set Screen



Basic Specification

Item	Content
Vehicle speed range	10km/h～120km/h
Dummy doll driving distance range	5m～20m
Dummy doll driving speed range	1km/h～9km/h (Optional up to 20km/h) Control precision: ±0.1% of FS
Vehicle speed measurement function	Method: Laser + Photodiode * Height adjustment function with a tripod Measurement precision: ±0.1 % of FS
Dummy doll on-board carrier (Material and size)	Made of Tough-roid: W900mm×D900mm×H50mm Made of wood: W900mm×D900mm×H43mm
Dummy doll driving system	Driving method: Servo motor + rope Operation: Notebook computer (with specific application software)
Safety system	Hardware: Forward edge and backward edge limit sensor Software: Parameter input limit

*Specifications are subject to change without notice.

< Development / Manufacturing >

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Information in this catalog is current as of January 2024 For product improvements, specifications may change without notice.