



## MEASURING INSTRUMENT OF DOOR CLOSING SPEED Model TS-107-D2

THE FITNESS OF AUTOMOBILE'S DOORS IS ONE OF THE IMPORTANT FACTORS TO ASSESS QUALITY OF THE AUTOMOBILE.  
THE MINIMUM FORCE TO BE REQUIRED FOR COMPLETE DOOR CLOSING, IS ONE OF THE STANDARDS OF JUDGEMENT OF QUALITY OF AUTOMOBILES.

TS-107-D2 IS MEASURING INSTRUMENT TO MEASURE THE SPEED OF CLOSING DOOR OF AUTOMOBILES.  
IT IS SUITABLE FOR DESIGNING AUTOMOBILE'S DOOR AND FOR QUALITY CONTROL.

FORCE TO REQUIRE TO CLOSE DOOR.  

$$F(\text{Kg} \cdot \text{m/s}) = \text{DOOR WEIGHT}(\text{Kg}) \times \text{SPEED}(\text{m/s})$$

PLEASE SEE THE DATA OF MODEL TS-107 SPEED & TIME MEASURING INSTRUMENT AS WELL.

### MEASURING

NORMAL DOOR



model-F

SLIDE DOOR



model-A

HATCHBACK DOOR



model-A

### Features

- CAN MEASURE CLOSING SPEED OF THE DOORS OF ALL THE AUTOMOBILES, INCLUDING SLIDE DOOR, HATCH BACK DOOR IN THE REAR PART OF AUTOMOBILES.
- PRINTING OUT OF THE DATA AND TOTALIZATION OF THE SAME CAN BE DONE BY PERSONAL COMPUTER (OPTION)
- 2-POWER-SOURCE SYSTEM, AC POWER SOURCE & BATTERY, ENABLES TO USE THE INSTRUMENT OUTDOORS.

### Specifications

- MEASURABLE TIME RANGE : 0.00 to 9999.99ms
- MEASURABLE SPEED RANGE : 0.01 to 9999.99m/s
- MEASUREMENT ACCURACY :  $\pm 1 \times 10^{-5}$
- DISPLAY : 6 DIGITS, RED LED, LETTER HEIGHT 15mm
- SENSOR : TRANSPARENT TYPE PHOTO SENSOR
- SENSOR PITCH : STANDARD 10mm (6 STEPS)
- SENSOR MODEL : F-TYPE FOR NORMAL DOOR  
A-TYPE FOR NORMAL DOOR  
SLIDE DOOR  
HATCH BACK DOOR
- POWER SOURCE : AC 220V OR DC 12V
- SIZE & WEIGHT : MAIN BODY W 240 × D 370 × H 100 , 4.5kg  
SENSOR W 580 × D 400 × H 840 , 5kg
- OPTIONS : PERSONAL COMPUTER (RS-232C)  
PRINTER

### USAGE

- MEASUREMENT OF SPEED OF CLOSING DOORS OF AUTOMOBILES.
- MEASUREMENT OF SPEED OF SLOW SPEED MOVING OBJECTS.

**# THE SPECIFICATIONS IS SUBJECT TO CHANGE WITHOUT NOTICE.**