

# DROP TOWER

# DT-205 series

## Drop Tester for Mobile Products

### DT-205, DT-205H

DT-205 / DT-205H are drop testers designed for products, containers and packaging materials, weighing up to 5kg. They can be used for drop testing in a broad variety of industrial products, including electronic devices such as notebook PC and HDDS, medical products, cosmetic and food products.

#### Features

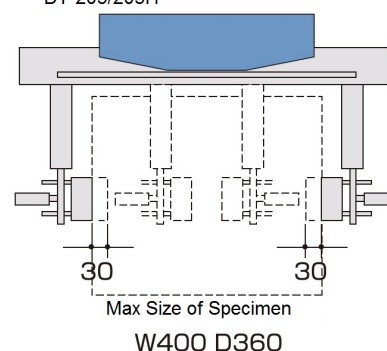
- Specialization to light and small specimen
- High Reproducibility
- Easy Maintenance for Long Term Usage
- Easy-to-Use Test Settings
- Easy-Installation to any Location
- Simple Setting by Simple Construction

#### Compliance Standard

- JIS C 60068-2-31
- IEC 60068-2-31



Dimension of Holding System with DT-205/205H



#### Specification

Model	DT-205	DT-205H
Specimen max weight (kg)	5	
Drop height range (mm)	500 ~ 1500 (posture holding fall) 250 ~ 1500 (free liberation fall)	500 ~ 2000 (posture holding fall) 250 ~ 2000 (free liberation fall)
Setting of drop height	Scale and pointer	
Falling motion of support table	By electric magnet	
Holding / Releasing specimen	Air pressure pen cylinder	
Size (W × D × H mm)	700 × 600 × 2400	900 × 800 × 3000
Weight (kg)	about 180	about 280
Power supply	AC100V, single phase, 5A	
Supply Air Pressure (MPa)	0.69 or more	
Usage environment temperature range (°C)	5 ~ 35 (JIS test location Standard temperature state Class 4)	



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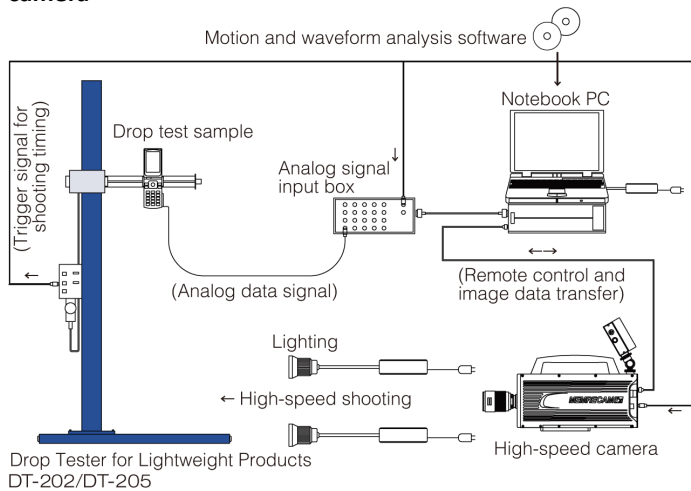
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# Options for DT-202, DT-205

## Sample configuration of analysis system with high-speed camera



When an analysis system is built up using a high-speed camera, "shocks" can be observed visually. (High-speed shooting of a PCB under drop test)



· Plastic bottle



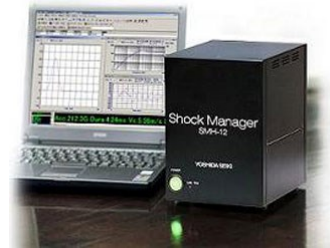
· Household detergent (Soft package)



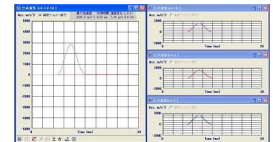
· Cellular phone (Folding type)

## Shock Manager SM-500

It can contribute to the measurement and analysis of shock test. It is able to incorporate a max of 10 channels of accelerometers\* and assist in monitoring its test result. With useful functions like SR and SRS analysis, it can analyze various specimens.



- User-Friendly Operation
- Multi analyzing functions



\*10 channels for only the piezoelectric or build-in amplifier type  
5 channels each for the piezoelectric and build-in amplifier type (Total 10 channels)

## Safety Installations

The test should be carried out not only correctly, but also safely. These installations contribute in to assuring its safety.

- Safety Fence (soundproofing)  
To lower external noise levels and prevents injuries during tests. It covers the whole tester. When the door is closed, those risks would be reduced.
- Safety Mat Switch  
This mat surrounds the tester and stops the movement when anything is on it.  
Its size and quantity can be arrange as per required.
- Photoelectric Sensor  
It detects anything that cuts off its photoelectric range. These sensors need minimal space to install and keeps high sensitivity.



Safety Fence

\*Available to apply either requirements