

# DROP TOWER

# DT-205 series

## Drop Tester for Mobile Products

### DT-205, DT-205H, DT-205M, DT-205MH

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.

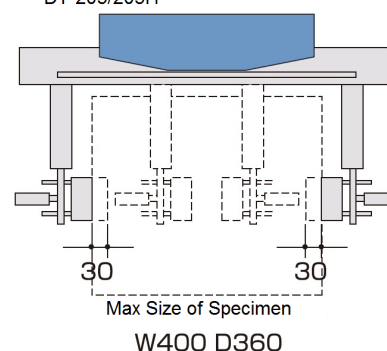
DT-205M / DT-205MH is a long life model that can lift the supporting base by motor (DT-205 series is by chain block) that is suitable for requiring many test cycles. Tester specification and operational system is same as DT-205 series.

### 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



Dimension of Holding System with DT-205/205H



### Specification

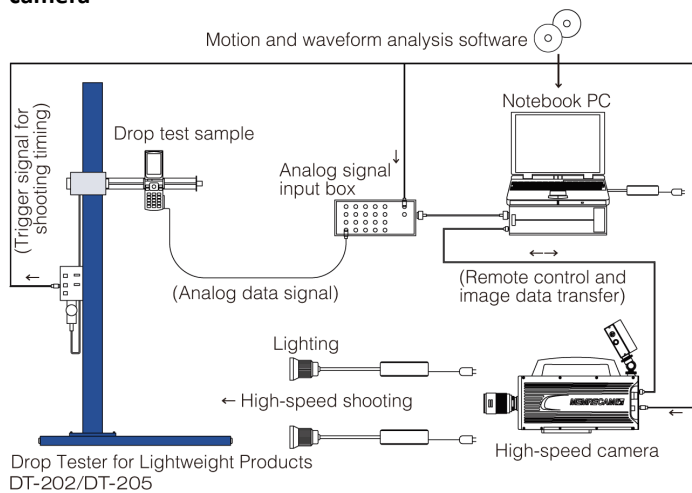
Model	DT-205	DT-205H	DT-205M	DT-205MH
Specimen max weight (kg)	5			
Drop height range (mm)	500 to 1500 *1 250 to 1500 *2	500 to 2000*1 250 to 2000*2	500 to 1500 *1 250 to 1500 *2	500 to 2000*1 250 to 2000*2
Setting of drop height	Scale and pointer			
Falling motion of support table	By electric magnet			
Holding / Releasing specimen	Air pressure pen cylinder			
Lifting of Holding System	Chain block		Motor	
Size (W × D × H mm)	700 × 600 × 2500	900 × 800 × 3000	700 × 600 × 2500	900 × 800 × 3000
Weight (kg)	about 180	about 280	about 400	about 500
Power supply	AC100V, single phase, 5A		AC200V, 3 phase, 5A	
Supply Air Pressure (MPa)	0.69 or more			
Usage environment temperature range (°C)	5 to 35 (JIS test location Standard temperature state Class 4)			

\*1 drop test with specimen supporting jig

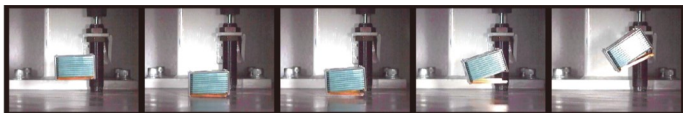
\*2 drop test without specimen supporting jig, release the cylinder at setting height

# Options for DT-202, DT-205

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



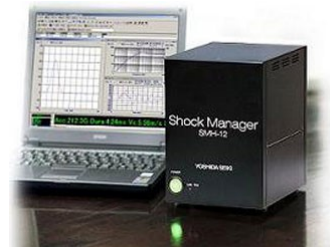
When an analysis system is built up using a high-speed camera, "shocks" can be observed visually. (High-speed shooting of a PCB under drop test)



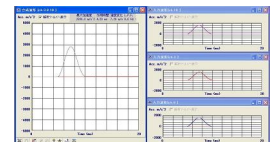
· Plastic bottle · Household detergent (Soft package) · Cellular phone (Folding type)

## 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