

# Free Drop Tester

*Model: SR-217*

## Application

- ※ The mobile phone free drop tester is used to evaluate the effect of the product on the performance of the product when it is actually used.
- ※ The drop tester is suitable for mobile (mobile phone), PDA, telephone, electronic dictionary, CD, mobile phone lithium battery, walkie-talkie, electronic dictionary, building apartment intercom, MP3 and other small electronic products with universal adjustment device can complete 0 degrees, 45 degrees, 90 degrees diamond, angle, surface drop.



## Features :

- ※ The machine adopts electric lift and pneumatic drop structure, the lift positioning is accurate and fast, the drop is real and effective;
- ※ Equipped with special pneumatic fixture (adjustable travel), the front end of the fixture is equipped with silicone rubber (to avoid clamping products or operators), can be a variety of specifications of mobile phone drop test;
- ※ The drop height is driven by the motor and adjusted up and down by the precision screw drive. The operation is stable and low noise, without manual lifting up and down.
- ※ With scale, the falling height of parts can be accurately known. The products can fall from different angles.

## Test Standards :

- |                 |                |               |              |      |
|-----------------|----------------|---------------|--------------|------|
| ※ GB-18287-2000 | GB/T 2423.8    | GB8897.4-2002 | GB-T4857.5   |      |
| ※ SJ-11169-1998 | SJ/T11170-1998 | QC-T744-2006  | QC-T743-2006 |      |
| ※ IEC60068-2-32 | YD-1268-2003   | UL1642        | UL2054       | ISTA |

**Technical parameters :**

Item	Mobile phone free drop tester
Model	SR-217
Maximum weight of specimen	5kg ± 100g
Drop scope	90*60*30cm
Test point	Free drop
Lifting method	Motor lifting
Falling plate medium	A3 steel plate (Acrylic plate, marble plate, wooden plate optional )
Specimen size	10~120mm
Drop height	1.5m / 2.0m or customize
Fall height scale	(Acrylic plate, marble plate, wooden plate optional )
Clamping method	Pneumatic dropping adsorption, any part can fall
Drop method	Face, edge, corner dropping
Air Source	<1mpa
Power supply	220V 50Hz

**Measurement Standard:**

- 1). Appearance requirements: do not allow any degree of burst and deformation on the surface of the mobile phone, and the shell separation phenomenon, but allow a certain degree of wear and tear;
- 2). Functional requirements: do not allow any failure or INT of the mobile phone function, allowing the cell phone to drop off and the battery to fall off;
- 3). Test requirements of electrical performance: it is not allowed to exceed the standard of mobile phone RF indicators (standard test items);
- 4). Disassembly inspection requirements: the internal components of the mobile phone are not allowed to be loose or damaged, as well as the phenomenon of virtual soldering. Cracks are not allowed in the solder .

**Real imagines :**



When export, we will change the panel into English. Here just one example



**More drop testers CAN BE CHOSEN:**



Model : SR-217A  
Directional drop tester  
1.5m / 1.8m / 2.0m



Model : SR-218  
Micro drop tester  
Max height : 0.15m



Model : SR-219  
Tumble drop tester  
Max height : 0.5m



Model : SR-219A  
Tumble drop tester  
Max height : 1m



Model : SR-220  
Tumble drop tester  
Max height : 0.5m+1m



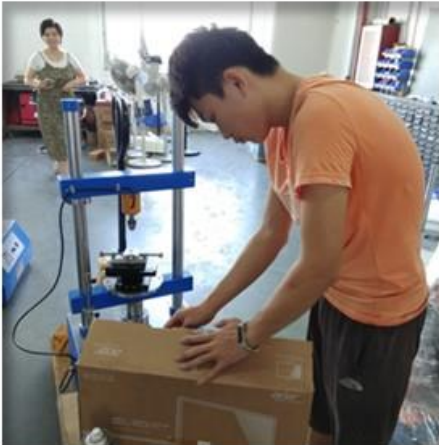
Model : SR-220A  
Tumble drop tester  
Protect cover + 0.5m + 1m



## Professional packing

**We have professional packaging teams and shipping forwarder to pack and deliver your products safely!**

- ❖ Out packing: Standard export wooden case.
- ❖ Inner packing: With careful stretch film wrap products, hard wood board + strong bandage to fix corners.
- ❖ Checking teams: Specialized staff to inspect and classified your goods.



**What we produce? (always accept customize)**

- |                              |                          |                                |
|------------------------------|--------------------------|--------------------------------|
| 1. Universal tensile testers | 2. Hardness testers      | 3. Environmental chambers      |
| 4. Mobile/Laptop testers     | 5. Paper&package testers | 6. Abrasion resistance testers |
| 7. Insertion force tester    | 8. Color testers         | 9. Rubber/plastic testers      |
| 10. Fabric testers           | 11. Wire testers         | 12. Other testers              |