**GTJ-LQ50** Falling ball rebound modulus tester

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**Usage**

The principle of the falling ball rebound modulus tester is to raise the rigid sphere to a certain height (50 cm), let the rigid sphere fall freely and collide with the materials along the way, test the acceleration during the process and analyze the acceleration during the impact process. In order to find out the various indicators of earthy materials.

**Features**

1. The instrument is convenient and quick to operate. Starting from the needs of engineering inspection, users can quickly grasp the use method;

2, small size, light weight, easy to carry;

3. The user operates through the touch screen, and the interface is simple;

4. Large-capacity data memory, support for mobile storage;

5, built-in rechargeable lithium battery, long standby time;

**Technical Parameter**

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| Product Model | GTJ-LQ50 |
| System noise voltage | ＜2mV |
| Dynamic range  | ＞138dB |
| Amplifier band | 10Hz~10kHz |
| A/D resolution | 16-bit A/D |
| Sampling time interval | 2us~32768us |
| Sampling length | 1024, 2048, 4096 |
| Time indication error | ＜1% |
| Number of channels | 1 |
| Magnification | 1~128 |
| Trigger method | Signal trigger |
| Sensor sensitivity | 100mV/g |
| Sensor band | 1-10000Hz |
| Continuous working time | More than 10 hours |
| Powder supply | Built-in rechargeable lithium battery（+7.4V） |
| Weight | 1.24Kg |
| Size | 220\*160\*50mm |
| Display | Capacitive screen 640\*480  |
| Operation method | Touch |