

## Suspension Tester

### Description

KXJ Vehicle Suspension Tester is used to inspect the shock absorption performance of vehicles with independent suspension system. When the vehicle parks on the platform, the static wheel load will be measured by the sensor and displayed on the Monitor/Display Board. Then the motor will start to drive the Eccentric Wheel in the tester, which subsequently results into the vibration of Vibrating Plate. The motor will shut down automatically after reaching its nominal power. The plate will continue vibrating because of inertia, and result in sympathetic vibration between wheels and suspension. The minimum dynamic wheel load will be obtained during the sympathetic vibration. Then the absorption rate (displayed as percentage) can be calculated. The higher the absorption rate is, the better the suspension performance of the vehicle will be.



### Features

- ▶ EUSAMA measurement standard.
- ▶ Wheel load function integrated.
- ▶ Protection program (plates start vibrating when load is >200kg).
- ▶ High precision sensor ensures the accuracy of inspection result.
- ▶ Galvanized plates with longer service life.
- ▶ Result display in visual graph.

### Technical data

| Item                     | KXJ-3                 | KXJ-10                |
|--------------------------|-----------------------|-----------------------|
| Item No.                 | 01.02.07.0009         | 01.02.07.0011         |
| Max. drive-over load     | 3000 kg               | 10000 kg              |
| Max. test wheel load     | 1500 kg               | 1500 kg               |
| Vibrate plate dimensions | 700 × 300 mm          | 650 × 400 mm          |
| Oscillation              | 6 mm                  | 6 mm                  |
| Vibrate frequency        | ≈24 Hz                | >16 Hz                |
| Motor power              | 3.0 kw x 2            | 2.2kw x 2             |
| Power supply             | 3PH 380V, 50Hz,ground | 3PH 380V, 50Hz,ground |