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## MODEL VR-6512

# LUPKE REBOUND RESILIENCE TESTER

### Outline

The impact resilience coefficient of a sample is obtained by measuring the percentage of the impact force (energy) that is initially applied when the vulcanized rubber is shocked and deformed and then recovered from the deformation. This machine is a device called a Lupke type that has been used most often from the two test methods specified in JIS K6255 (Repulsion test method). The retained iron bar is dropped naturally from a place with a drop height of 100 mm along a circumference with a radius of 2000 mm to give a shock to a cylindrical sample, and the rebound height of the bar is read to measure the impact resilience.



MODEL VR-6512



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## Features

- It has sufficient robustness and weight to prevent resonance during a test.
- The impacting bar is held by the magnet to secure accurate dropping height.
- Since the impact resilience coefficient is strongly affected by temperature, the temperature around the sample can be adjusted with a heater.(option)
- A level is attached to the equipment, making it possible to check the level at any time.

## Specifications

| MODEL                   | VR-6512   |
|-------------------------|---|
| Reference Standard      | JIS K6255-1996  |
| Impacting Bar           | Diameter: 12.50±0.05mm, Length: approx.356mm, Weight: 0.35±0.01kg |
| Bar Suspension Height   | 2000mm  |
| Falling Height          | 100mm   |
| Sample Size             | Thickness: 12.5±0.5mm, Diameter: 29.0±0.5mm (cylindrical shape)   |
| Sample Holding Method   | Mechanical holder with a spring of 35±5N                          |
| Sample Holder Temp.     | Between 40 and 120°C controlled by heater (Optional)              |
| Readout of Results      | Readout of the resilience scale                                   |
| Electric Power Required | AC100V 1A 50/60Hz   |
| Outer Dimensions        | 1252(W) × 400(D, beam: 920) × 2638(H)mm                           |

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<Manufacturer>

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※Please be noted that the contents in this brochure may change without prior notice due to improvement of the equipment. 027-468714-4