



vlImpact-21.i

- **Automatic Modal Hammer**
- **Reproducible Force Amplitude**
- **Adjustable Impact Rate**
- **Timer Operation**
- **External Trigger TTL, Closer Contact**
- **Excitation Force > 150 N peak**
- **Frequency Range up to 20kHz**
- **Easy to Setup**

Automatic Modal Hammer

for industrial use and frequencies up to 20 kHz

A manual excitation with a small Modal hammer without a „Double Hit“ is nearly impossible. The new **vlImpact-21.i** works without “Double Hits” in all directions up to 150 N peak.



With the **vlImpact-21.i**, structures can be excited precisely and reproducibly. The excitation forces are measured via a force measuring cell in the hammer head. Thanks to the robust hammer mechanism and simple operation, the **vlImpact-21.i** is also recommended for quality control.

The **vlImpact-21.i** system consists of three components:

- Hammer head
- Control unit
- Power Supply



The **vlmpact-21.i** modal hammer can be triggered in various ways:

- Manually with the trigger button at the control unit.
- By closing the external input, e.g. through a push-button extension or a third-party device.
- By a TTL signal.
- With the internal timer in the range of 2 hits per second up to 1 hit per 1000 seconds.



Technical Specifications:

Impact Force	Fix
Max. Force	> 150 N
Frequency Range	Up to 20kHz, depending on object
Coupling	2-4 mA, IEPE
Trigger	Timer Button External contact (Closer) TTL-Signal 40....200ms
Power supply	24V DC
Mass	Head: 0.38 kg, Controller: 0.6 kg
Dimensions Head	180 x 50 x 50 mm