MAUL-THEET
Vibration Test & Analysis

Automatic Modal Hammer

vImpact-64

- *Automatic Modal Hammer*
- *Optimized for End of Line-Testing*
- *Adjustable Force Amplitude from 0 to 100%*
- *Adjustable Interval Rate*
- *Hit Counter*
- *Manual Trigger*
- *Timer Operation*
- *Impact Counter*
- *External Trigger Closer Contact*
- *Excitation Force > 150 N peak*
- *Frequency Range up to 60kHz*
- *High Impact Reproducibility*
- *Touch Screen*
- *Setup Mode*
- *Remote Controlled*
- *Remote Software*
- *Easy Positioning*

As is known from practice, manual excitation with a small modal hammer without “double hits” is almost impossible.
Here the ***vImpact-64*** can help. He works without “double hits” in all directions with a Impact forces > 150 N pk.

With the ***vImpact-64***, structures can be excited precisely and reproducibly by setting the acceleration range of the hammer from 0 to 100 % in steps of 1%.

An impact counter enables the user to setup the max. number of impacts.
The excitation forces are measured with the force cell in the hammer head which is suitable for frequency ranges up to 60 kHz.

This makes the small modal hammer particularly interesting for acoustic and laser measurements.
To align the hammer head, it can be brought into the later contact position.

The **vImpact Remote Software** mirrors the controller display and enables control from the PC via the USB port.

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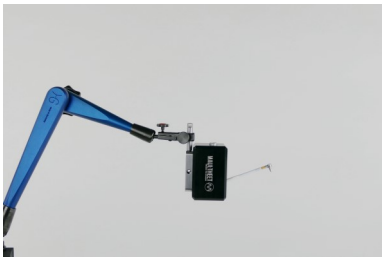
The ***vImpact-64*** modal hammer can be triggered in four various ways:

- With the internal timer in the range of 2 hits per second up to 1 hit per 9999 seconds. With the impact counter the number of Impacts can be limited.
- Manually with the trigger button at the control unit.
- By closing the external input with a switch through an extension cable or by any device with a closing contact.
- By the **vImpact Remote Software** and ASCII commands sent via the USB Port.

The ***vImpact-64*** amplitude is set with the display % keys or in the REMOTE mode via ASCII commands like shown in the pictures below.

Position 0%

Position 90%



Position 180%

Technical Specifications:

Impact Force	Adjustable
Max. Force	> 150 N
Frequency Range	Up to 60kHz, depending on object
Coupling	2-4 mA, IEPE
Trigger	Timer Button External contact (Closer) or negative TTL-Signal with a pulse length of > 150ms USB Port
Power supply	24V DC
Mass	Head: 0.412 kg, Controller: 0.6 kg
Dimensions Head	180 x 50 x 50 mm

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