



Auto Impulse Hammer

Product Description

The invention of the first smart impact hammer provides new ways of mechanical excitation for structural dynamic applications. Smart means that the device processes its signals internally. The modal hammer Wave Hit MAX guarantees fully automatic, reproducible, and high-precision excitation of the test object without double hits. The user can set the number of hits, impact force and the delay between hits accounting for different degrees of damping / delay times. All pre-settings like zero point or impact force search are made automatically by the hammer. Manual adjustment by the user is no longer necessary.

Product highlights

- Fully automatic single hits
- Automatic search for user-defined impact force
- Automatic zero point search
- Validation of the impact for quality assurance
- Change of the position between hammer and test object without new setup
- Integrated display with keypad
- Variety of hammer tips.
- Automatic zero point search.
- Can be triggered manually too.



TSM

Performance¹

| | |
|--------------------------|--|
| BNC output | ± 10 V, noise floor < 100 mV (1 %) |
| Impact interval | 600 ms – 1 h |
| No. of hits | 1 – 1.000.000 |
| Operation | Via LED display on device or WaveHit GUI |
| Impact release | Via trigger, WaveHit GUI, IR remote control |
| Attachment | Fastening via prism rail / prism clamp, optional accessories |
| Connections | Ethernet, trigger, integrated power supply, 240 V AC, signal out |
| Impact force | 50 – 2000 N |
| Sensitivity (BNC Output) | 50 N/V |
| Impact pulse width | ≥ 0.80 ms |
| Kinetic energy | 3 – 850 mJ |
| Linearity error | < 1 % |

