

TM EOS2 Tapping Machine

IMPACT SOUND INSULATION MEASUREMENT SOURCE



The TM EOS2 Tapping Machine is a precision impact noise source specifically designed for building acoustic measurements. It is primarily utilized for assessing impact sound insulation of ceilings and stairs in buildings. The TM EOS2 Tapping Machine complies with the standards ISO 10140, ISO 16283, ISO 717, DIN 52210, BS 5821, ASTM E 492, and SIA 181:2020.

KEY FEATURES

- **Electromagnetic Drive:** Ensures quiet operation and reduces airborne noise for precise results.
- **Robust Design:** Features a laser-cut aluminum frame with three adjustable rubber feet and a comfortable grip.
- **Mains or Battery Powered:** Operates on mains power (100 - 240 V) or a built-in lithium battery pack for up to 1 hour on hard floors and approximately 50 minutes on soft floors.
- **Reliable Remote Control:** Operates at 434 MHz (868 MHz) with options for manual operation or delayed start.
- **Optimized for Floor Types:** Individual switch for optimizing operation on hard and soft floors.
- **Type Tested:** Complies with relevant standards and is tested for accuracy in impact sound

APPLICATIONS

Building acoustic measurements in compliance with ISO 10140, ISO 16283, ISO 717, DIN 52210, BS 5821, ASTM E 492, and SIA 181:2020.

Technical Specifications	
Standards	ISO 10140, ISO 16283, ISO 717, DIN 52210, BS 5821, ASTM E 492, SIA 181:2020
Power Supply	Input: 100 - 240 V; 50 - 60 Hz; 125 W Battery Voltage: 25.2 V Battery Life: ~1 hour (hard floors), ~50 minutes (soft floors) Charging Time: 5-6 hours
Battery Pack	Type: Lithium Battery Capacity: 4900 mAh Cell Voltage: 3.6 V (7 cells)
Characteristics	Built-in Lithium Battery Pack Membrane Keyboard Delayed Start Function Inspection Doors
Remote Control	Frequency: 434 MHz (868 MHz)
Impact Hammers	Number: 5 Weight: 500 ± 4 g Drop Height: 40 mm Drop Speed: 0.886 ± 3% m/s Impact Interval: 100 ms (10 Hz ± 1%) Distance Between Hammers: 100 ± 3 mm Head Diameter: 30 ± 0.1 mm (steel) Impact Surface: Spherical with a curvature radius of 500 ± 30 mm
Construction	Laser-cut aluminum frame with three adjustable rubber feet and a comfortable grip
Adjustable Floor Hardness	Hard: Concrete, slabs Soft: Wood, carpet
Dimensions (L x H x P)	480 x 245 x 122 mm (or 48 x 12 x 25 cm)
Weight	9 kg (including built-in battery pack)
Comes with	Battery pack Soft bag AC cable Wireless remote control (434 MHz) User Manual ISO Certification
Order Information	NTi Audio # 600 000 570

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