The TM3 Tapping Machine is a precision impact noise source for building acoustic measurements. It is typically used for the assessment of general impacts in dwellings that occur on floors or stairs in a building. The Tapping Machine complies to the standards ISO 16283-2, ISO 717-2, ISO 10140-3/-4/-5, ISO 140-6/-7/-8, DIN 52210-6, ASTM E492 and ASTM E1007.

Key Features

- High-precision source for impact sound transmission testing
- Robust design with sturdy feet
- Mains or battery powered (up to 2 hours autonomous operation)
- Reliable remote control (315 MHz or 433 MHz)
- Manual operation supported
- Type tested by PTB Germany in accordance to ISO 10140-5

Applications

Building acoustic measurements in compliance to ISO 16283-2, ISO 717-2, ISO 10140-3/-4/-5, ISO 140-6/-7/-8, DIN 52210-6, ASTM E492, ASTM E1007.
## Specifications TM3

| Standards          | ISO 16283-2, ISO 717-2, ISO 10140-3/-4/-5, ISO 140-6/-7/-8  
|                   | DIN 52210-6, ASTM E492, ASTM E1007  
| Power supply      | 100 to 240 VAC, 50/60 Hz, 1.0 A  
|                   | 18 VDC, 2.22 A  
|                   | 40 W max.  
| Battery           | 12 V, 3.2 Ah Lead-Acid gel (no maintenance required)  
| Type              | approx. 8 hours  
| Charge time       | up to 2 hours  
| Hammers           | Stainless steel, hardened  
| Material          | 500 g ± 6 g (1.1 lbs ± 0.212 oz)  
| Weight            | 30 mm ± 0.2 mm  
| Diameter          | 100 mm (3.94")  
| Distance between hammers | 40 mm (1.575")  
| Rated drop height |  
| Dimensions L x W x H | 650 x 215 x 275 mm (25.6" x 8.5" x 10.8")  
| Weight (including battery) | 10.2 kg (22.5 lbs)  
| Temperature, humidity | –20°C to +70°C (-4° to 122°F) @ ≤ 90% RH (non-condensing)  
|                   | –10°C to +50°C (14° to 158°F) @ ≤ 90% RH (non-condensing)  
| Scope of supply (included) | • Carrying case  
|                   | • Battery charger  
|                   | • Drop height gauge  
|                   | • 17 mm wrench  
|                   | • RC sender & antenna  
|                   | • Manufacturer calibration certificate  
| Order information | NTi Audio # 600 000 520 (433 MHz)  
|                   | NTi Audio # 600 000 529 (USA, 315 MHz)  
|                   | NTi Audio # 600 000 528 (Japan, without RC)  

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TM3 Tapping Machine (side view)

All information is subject to change without prior notice.