

Dynalabs permanent magnet shakers are compact, lightweight and powerful general-purpose shakers which can be used for modal and vibration testing. They have high DUT capacity despite their small sizes. PM-20 and PM-100 has an integrated amplifier and a sine wave signal generator where the frequency can be adjusted from 1 Hz to 12,000 Hz.

### Advantages:

- Lightweight, durable, portable and easy to use
- Adjustable trunnion base provides high degree of flexibility
- Broad frequency range
- Embedded power amplifier and signal generator for PM-20 and PM-100



### Technical Specifications

|                             | PM-20      | PM-100     | PM-250     | PM-440     |
|-----------------------------|------------|------------|------------|------------|
| Output Force (Sinus)        | 20 N       | 100 N      | 250 N      | 440 N      |
| Output Force (Shock)        | 40 N       | 200 N      | 500 N      | 880 N      |
| Frequency range             | 0 - 12 kHz | 0 – 8 kHz  | 0 – 5 kHz  | 0 – 5 kHz  |
| Displacement (Peak to Peak) | 5 mm       | 10 mm      | 25 mm      | 25 mm      |
| Max Acceleration            | 30 g       | 45 g       | 80 g       | 80 g       |
| Total mass                  | 4.1 kg     | 9 kg       | 15 kg      | 15 kg      |
| Cooling system              | Air Con.   | Air Con.   | Forced Air | Forced Air |
| Suspension                  | Spring     | Spring     | Spring     | Spring     |
| Max. Input Current          | 4A         | 6A         | 10A        | 10A        |
| <b>AMPLIFIER</b>            | Integrated | Integrated | External   | External   |
| Input Voltage               | 1 VAC      | 1 VAC      | 10 VAC     | 10 VAC     |

### Protections for PM-250 and PM-500

- Over travel switch
- Over current fuse