

WIRA INSTRUMENTATION **Mattress Tester**



Determine mattress durability

For replicating and inspecting mattress fatigue.

The Mattress Tester has been developed to subject mattresses to fatiguing using a weighted roller. Measurements are taken before and after the fatiguing process to determine the physical changes to the mattress.

Test Method

For BS 7397 a triangular roller is used to fatigue the mattress. The profile is measured at two points across the mattress, before and after fatiguing.

The 'Profile Loss' is automatically calculated using the tester software.

For BS EN 1957 a cylindrical roller fatigues the mattress. The deflection against load curve is measured at the centre point and is used to determine the height and hardness loss.

Key Features

- ✓ *Combined test bed for fatiguing and measurement*
- ✓ *Motor driven traversing mechanism*
- ✓ *Motorised lifting mechanism for the roller*
- ✓ *Minimal noise*
- ✓ *Computer software to record the mattress profile*



Approx. Dimensions: 1.9m (H) x 3.4m (W) x 2.7m (D)

Standards: BS EN 1957, BS 7397

Order Code MAT:001