

**Product Name :**  
Resilient Modulus and Asphalt Testing System

**Product Code :**  
NLAB-TESTINGLABM34003

**Description :**

Resilient Modulus and Asphalt Testing System

**Technical Specification :**

The Resilient Modulus and Asphalt Testing System boasts a modular design which allows the system to be configured to test asphalt and soil in a variety of modes. This system is based on the Digital Signal Conditioning and Controller and can be supplied with pneumatic or hydraulic loader.

The Resilient Modulus software features built and test sequences, and the capability to specify user defined sequences. Contact stress is automatically adjusted according to the above procedures as selected. Available waveforms include haversine, sine, square and triangular, along with a user defined waveform selection. Optional peak & valley compensation ensures proper and quick matching of the load parameters. Real time displays of the prescribed versus actual dynamic load or the dynamic deformation measurements by each sensor are always present. Deformation ratio of the two sensors,  $R_v$  (to ensure that the two deformation sensors are in agreement) and  $M_r$  are also calculated in real time. During export, curve fitting is done to fit the results to models that predict  $M_r$  as a function of  $\sigma_m$ ,  $\sigma_d$ , and CP (cell pressure). Four different functions are calculated automatically

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