

RESILIENT MODULUS

LOADTRAC II / CYCLIC - RM

Geocomp's LoadTrac II Resilient Modulus unit fully automates resilient modulus tests on base/subbase/subgrade materials. Resilient modulus testing is a complicated test in which the stiffness of the sample changes with loading. Since the performance of cyclic loading systems depends on the stiffness of the sample, most systems fail to apply the correct load throughout the test. Geocomp's RM system uses a very sophisticated adaptive control that makes real-time adjustment of a PID controller to adjust the system control parameters as the stiffness of the specimen changes. This feature permits our system to apply an accurate load from the beginning to the end of the test.

- High-performance, electromechanical actuator
- Self-calibration procedure built in
- Built in safety features
- Smart and sophisticated technologies to simplify testing
- Repeatable, reliable, and accurate results you can trust
- Real-time and remote test parameter changes for quality control
- Convenient reporting and data export
- Faster, smarter, better: designed with full automation and manual control options
- Easy upgrade to perform additional test types
- Designed and manufactured in the USA

Applicable Test Standards

- AASHTO T294, T307
- SHRP Protocol P46
- NCHRP RPT 285
- AS 1289.6.8.1, AGPT-T053-07



Standard Resilient Modulus System

