

THE ULTIMATE CONTROL FOR YOUR RICE TEST

The **ALL NEW** AutoRice from InstroTek™ is an automatic control unit for the Maximum Specific Gravity test. It is widely known that the theoretical maximum specific gravity (Rice test) is one of the most important tests in the asphalt industry. Rice test results are critical for pavement quality, mixture design and laboratory mixture performance determination.

The AutoRice controller accurately controls vacuum pressure and vacuum time, and monitors shaker vibration frequency. With the press of a button, laboratory technicians can now accurately achieve the exact settings for conducting the maximum specific gravity test. The AutoRice starts the vacuum pump, regulates the vacuum pressure, precisely controls the vacuum time, and monitors the shaker frequency and acceleration which is a parameter that is not currently monitored during the test. Inconsistency between shakers used in different labs can result in poor inter-laboratory repeatability. Monitoring the three factors during the test can help agencies and contractors achieve better accuracy and repeatability. Data from the Rice test can be downloaded via the USB port and reviewed on a computer to assure accuracy and adherence to the specifications. The AutoRice is designed to fit on a benchtop or mounted to a wall. Automate and increase the repeatability and accuracy of your tests with the InstroTek AutoRice Controller.



Shaker Sensor & USB ports



Connect: Shaker, Vacuum Pump, PumpSaver & Vacuum Hose

ADVANTAGES

- ▶ Controls and monitors Rice test (AASHTO T209 & ASTM D2041) vacuum pressure and vacuum time
- ▶ Reduces operator errors by automating test parameters; improving accuracy and repeatability
- ▶ Measures shaking frequency and acceleration to prevent stripping damage to samples
- ▶ Automates saturation process for AASHTO T283 (Moisture damage)
- ▶ Provides capability to enter weights and calculate max specific gravity results
- ▶ Replaces digital vacuum gauge used in Rice setup
- ▶ Stores test records (vacuum pressure, vacuum time, frequency, acceleration, time, date, S/N, project)
- ▶ Test data can be shared and emailed for review
- ▶ Easy setup with menu driven software

AutoRice™

SPECIFICATIONS

FOOT PRINT	12" x 9" x 4" (30 x 22 x 10 cm)
WEIGHT	5 lbs (2.5 kg)
POWER SUPPLY	110/220V
HOSE CONNECTION	3/8" hose barb
MAX PUMP POWER	3/4 HP
VACUUM CONTROL	± 0.4 mmHg at 27.5 mmHg

Works with glass flasks and metal container setups

