

Vibrac

The World's Most Trusted Name in Torque Test Systems

Test-All II
Vertical Model



As the industry leader in the precision motion test equipment market, Vibrac continues to develop advanced technology solutions to automate testing problems. Over fifty years of experience in the field of torque measurement has resulted in the development of this patented digital measuring system.

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PHYSICAL CHARACTERISTICS

Dimensions: 24" w x 20" d x 24" h (60x50x60cm)

Weight: 50 lbs (23 kg)

OPERATING ENVIRONMENT

Temperature Range: 32°F to 104°F (0°C to 40°C)

Humidity Range: Up to 90% non-condensing

POWER REQUIREMENTS

Input Power: 120 VAC 60 HZ

MEASUREMENT SPECIFICATIONS

Torque Range: Consult Factory

Accuracy: $\pm 0.5\%$ full scale

Resolution: 0.1%

DRIVE SPECIFICATIONS

Speed Range: 1 to 50 RPM

Direction: Bi-directional

Vibrac

TORQUE TEST SYSTEMS

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Test-All II

Adding a New Twist to Torque Testing



Test-All II
Vertical Model

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The horizontal and vertical Test-All II Systems are both an innovative and cost-effective bench-top system for measuring the torque characteristics of rotating devices.



Test-All II
Horizontal Model

SYSTEM FEATURES:

- Simple Touch Programming
- Uni & Bi-Directional Testing
- Pre-Test Run-In
- Life Testing Capability
- Automatic Data Logging
- Mechanical Overload Protection
- No Analog Circuits
- Instant On – No Warm Up
- Battery Backed Up Memory
- Memory for 1000 Samples
- RS 232 and USB Ports

Calibration on Site

Your Test-All comes with a certificate of Calibration that assures traceability to the National Institute of Standards and Technology (NIST). This calibration can be verified or a new one performed at any time without returning the system to the factory. Anyone can perform this procedure by using a Vibrac Calibration Kit and by following the simple and user-friendly onscreen instructions and pictures.

PROGRAMMING FEATURES:

Uni-Directional Test – This test will rotate the DUT (Device Under Test) in the direction selected and the peak torque will be measured and displayed. The test results can then be saved in memory or outputted through the RS 232 or USB port. The test speed and the distance, or time to test, is programmable.

Bi-Directional Test – This test will rotate the DUT in the direction selected and the peak torque will be measured and displayed. The system will then drive in the opposite direction and once again the peak torque will be measured. Both measured values will be displayed and can be stored in memory and outputted. Similar to the single direction, test the test speed and the distance or time to test are programmable in the bi-directional test.

Set Torque Test – This test will rotate the DUT in the direction selected on the touch screen display until the set torque is achieved or the torque drops off suddenly. Once again the results will be captured and displayed.



Testing Made Easy

Just select a test to run from the select test profile screen. The selected profile will then be loaded from memory and the software will advance to the run screen.



Run Screen

Just press Start and the test will be performed and the results displayed. Pass / Fail limits can be programmed to automate the decision process.



Creating Test Profiles

Easy to use programming menus enable the user to customize a test to the requirements of almost any application.