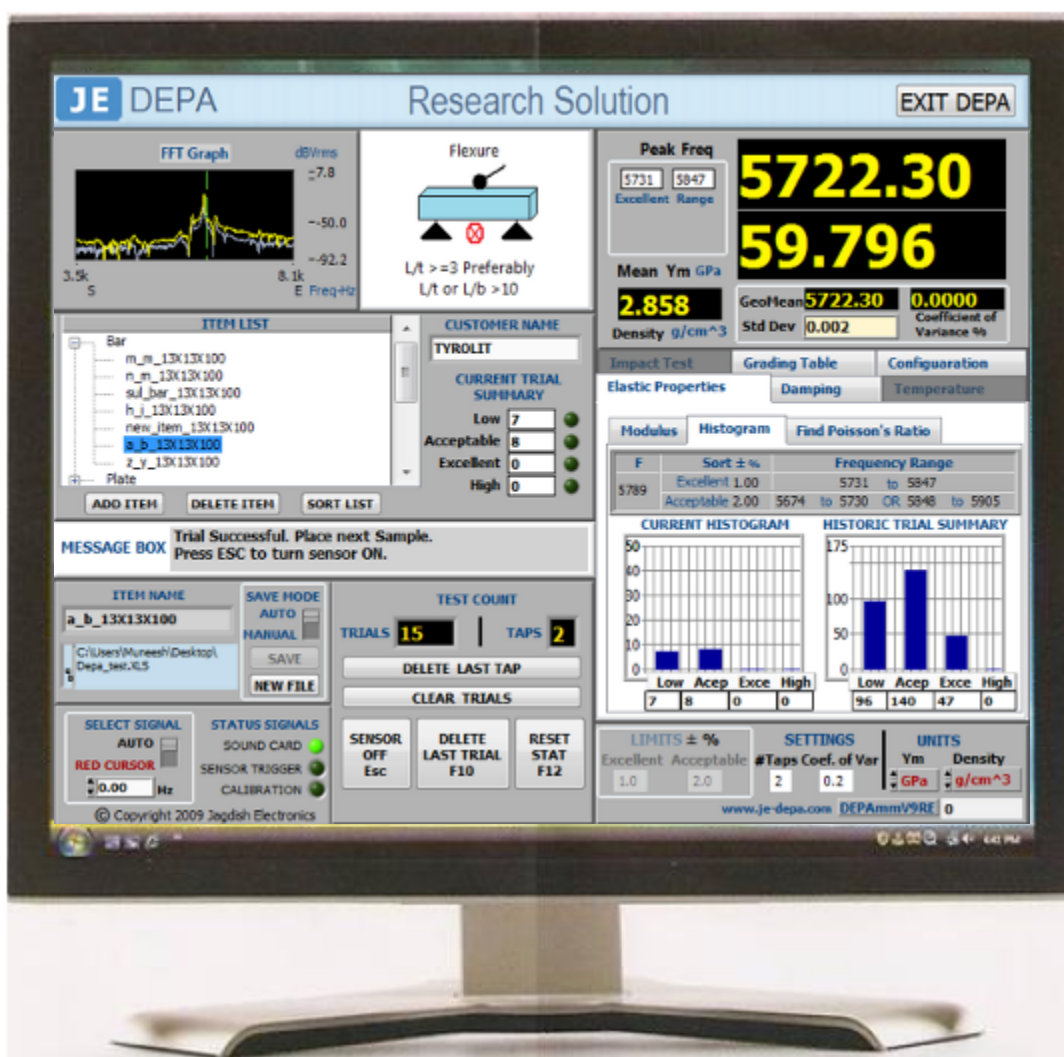


DEPA V9 Solutions Guide

"The most comprehensive suite of Non Destructive Testing Solutions"



Solutions Guide

je-depa.com
91-80-28376267

JE Jagdish Electronics

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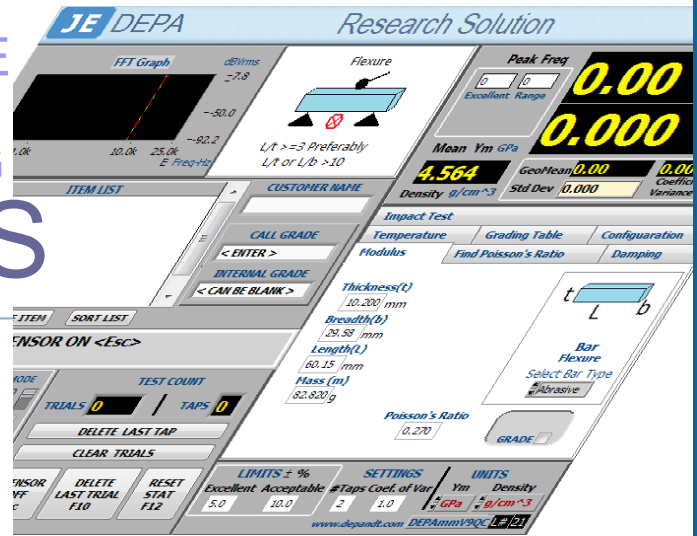
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DEPA V9

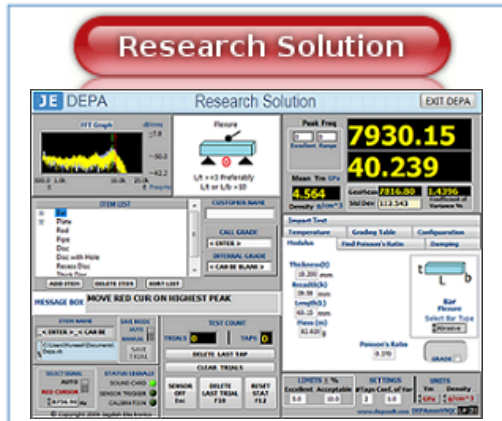
THE MOST COMPREHENSIVE
SUITE OF
NON-DESTRUCTIVE TESTING
SOLUTIONS

Jagdish Electronics Dynamic Elastic Properties Analyzer (DEPA) V9, a substantial upgrade from DEPA V7, introduces an array of advanced solutions geared towards specific customer requirements. With a completely redesigned user interface and a powerful set of new features V9 revolutionizes non destructive testing for Science and Industry. Introducing DEPA V9:

- ▶ Research Solution
- ▶ Enterprise Solution
- ▶ Quality Management Solution



Solutions Guide



DEPA V9 Research Solution

The most feature rich advanced solution meeting your highest end testing specs. Software upgraded with state of the art testing capabilities.

- ▶ Poisson's Ratio calculations
- ▶ Impact Testing
- ▶ Signal Damping Analysis
- ▶ Temperature Variant Analysis
- ▶ Integrated Grading Table



DEPA V9 Quality Management Solution

A customized solution with basic features enabled for Product Quality Management.

- ▶ Cuboid shapes standard
- ▶ Item Database capability standard
- ▶ Disc and Cylinder shape upgradeable
- ▶ Integrated Grading Table supported
- ▶ G# readout module upgradeable



DEPA V9 Enterprise Solution

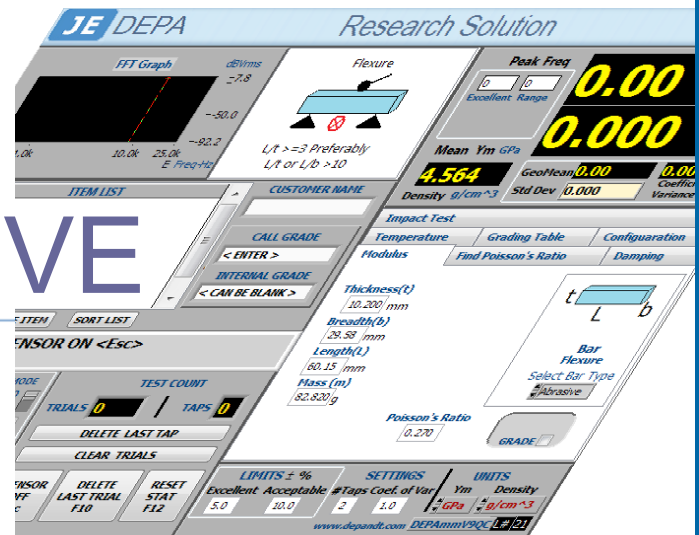
A feature appropriate solution optimized to meet all testing requirements for Enterprises and Small Business.

- ▶ All testing shapes standard
- ▶ Item Database capability standard
- ▶ Integrated Grading Table included
- ▶ Customization upgrades available for all Research Solution features

DEPA V9

RELIABLE
REPEATABLE
HIGHLY ACCURATE
COST EFFECTIVE

With DEPA V9, JE defines a new brand of comprehensive solutions specifically designed to market verticals. V9 solution results are highly accurate, extremely reliable with enhanced features allowing quick customization of the application. In our continuous efforts to exceed customer satisfaction, V9 launches with a completely redesigned e-commerce capable customer support web infrastructure.



Solutions Guide

Feature	RESEARCH SOLUTION	ENTERPRISE SOLUTION	QUALITY MGMT SOLUTION
Customizable Item Database	●	●	●
Performance Limits based Sorting	●	●	●
Peak Frequency FFT Signature	●	●	●
Young's Modulus, Density & Stats	●	●	●
Online Status Signals	●	●	●
"Red Cursor" Bulk Testing module	●	●	●
Shape Cuboid Bundle	●	●	●
Shape Cylinder Bundle	●	●	●
Shape Disc Bundle	●	●	●
Customizable Grading Table	●	●	●
G# Display module	●	●	●
Poisson's Ratio (Bar and Disc)	●	●	●
Damping & Impact Test modules	●	●	●
Temperature Variant Analysis	●	●	●

- Standard feature
- Available as an upgrade

DEPA V9 – Advanced User Interface

Fast Fourier Transform (FFT) Graph

Shows Peak Frequency of Vibration

Shape Window

Displays current Shape selected, Sensor and Tapping Positions and Ideal Sample Dimensions

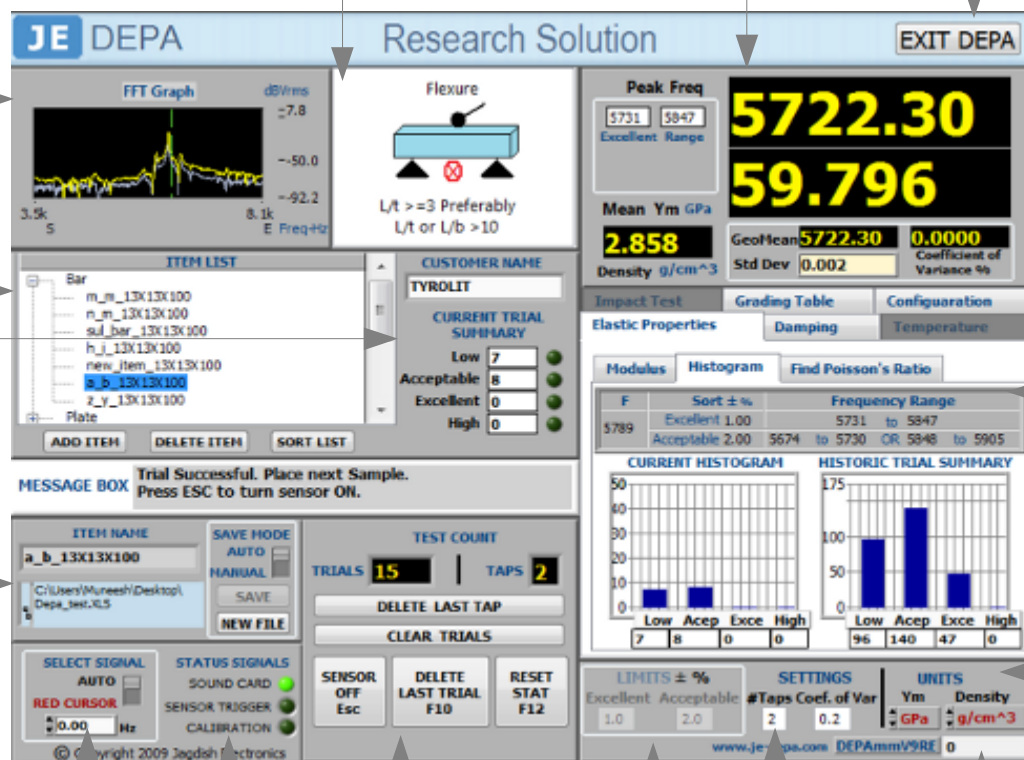
Main Output Window

Displays Current Test Output

- Peak Frequency (or G#) and Young's Modulus (YM)
- Density (p)
- Mathematical Statistics
- Calibrated Excellent Range and Grading Table Placement

Exit DEPA Button

Ensures that application exits after committing all temporary file data



Save Mode Control

Allows Save Mode Settings and displays current Save Item Name and File Path.

Online Status Signals

Displays dynamic status of critical system criteria

Performance Limits Setting

Sets "Excellent" and "Acceptable" % ranges for Calibrated Items

DEPA Serial Number

Unique Serial Number specific to your Installation

Module Display

Display area for Module specific data

Select Signal Window

Enables an advanced "Red Cursor" bulk testing mode

Test Controls

Central console for major test controls

- Sensor ON/OFF
- Tap Controls
- Trial Controls
- Resetting all Statistics
- Current Trial and Tap Counts

Test Settings Window

Allows setting number of Taps per Trial and Coefficient of Variance between the taps for a valid trial.

Units Window

Allows YM and Density to be displayed in MKS or FPS Units

Item Database Interface

Central console for DEPA Testing

- Shape Selection
- Item Calibration
- Online Manipulation of Item Database

Solutions Guide