

PERFORMANCE – SYSTEM

Expanded Measurement Uncertainty

- 0.5 to 1.0 Hz [7]
- 1.0 to 2.0 Hz [1]
- 2.0 to 3.0 Hz [1]
- 3.0 to 5.0 Hz [1]
- 5.0 to 10 Hz [1]

- Unspecified
- 1.75
- 1.50
- 1.00
- 0.75

PRECISION AIR-BEARING SHAKER

Manufacturer/Model
Maximum Acceleration

- 0.5 to 1.0 Hz [2][3]
- 1.0 to 2.0 Hz [4]
- 2.0 to 10 Hz [4]

The Modal Shop
K394A30 or K394A31

- g_{pk} 0.005 to 0.02
- g_{pk} 0.02 to 0.08
- g_{pk} 0.08 to 2.0
- mm_{pk-pk} 10

Maximum Displacement

Scale Tape Pitch

Measurement Resolution

- 20
- 10
- +/- 3
- 10

Scale Linearity

Scale Thermal Sensitivity

ppm/K

Resolution

Resolution

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MISCELLANEOUS

9155D-778 available as option to 9155D system integrated with 9155D-830 or 9155D-831 required exciter options.

9155D software provide seamless integration of low frequency data

acquired with -778 option hardware with mid- to high frequency data

acquired with -83x option hardware.

Calibration data results and measurement uncertainty are subject to the resolution specifications of the Sensor Under Test (SUT) given the limited displacement available with the K394A3x shaker systems.

NOTES:

- [1] Per ISO with k=2 coverage factor using Q353B51
- [2] See manufacturer data for full specifications
- [3] Supplied with 9155D-830 or -831 option
- [4] At max displacement 10 mm_{pk-pk}
- [5] with K394A3x air-bearing shaker system
- [6] Q prefix for extended discharge time constant
- [7] Uncertainty depends on noise floor and sensitivity of test sensor

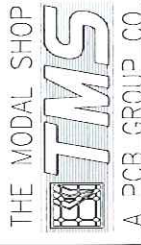
SUPPLIED ACCESSORIES:

- PCI Data Acquisition Card
- Shielded Connector Block
- Optical Encoder Readhead
- Readhead mount for K394A3x
- Scale Tape with Mounting Fixture
- Verification Accelerometer

All specifications are at room temperature unless otherwise specified.

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In the interest of constant product improvement, specifications may change without notice.



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Date: *8/31/10*

Date: *8/31/10*