

Model Number
K9145D10

SEMI-PORTABLE CALIBRATION SYSTEM

Revision: A
ECN #:

OPERATING

Frequency Range (operating, 100gram payload)	7 Hz-10 kHz	420-600,000 CPM	
Number of Frequency Points Supported		200	
Test Reference Frequency		User Definable	
Maximum Amplitude (100 Hz, no payload)	20 g pk	196 m/s ² pk	[1]
Maximum Payload	28.2 oz	800 gram	[2]
Sensor Types Supported		Acceleration, Velocity	
Sensor Designs Supported		ICP®, Charge, Voltage	
Measurement Types Supported		Sensitivity, Frequency	
Excitation Type		Stepped Sine, Multi-Sine	

GENERAL

Calibration Method	ISO 16063:21 (2003)
Calibration Data Management	Microsoft Access
Calibration Certificate Management	Microsoft Excel
Included Computer	Intel P4 or better
Operating System Supported	Windows 7
Measurement Unit Supported	English, Metric
Measurement Types Supported	Sensitivity, Frequency Response and Phase Response

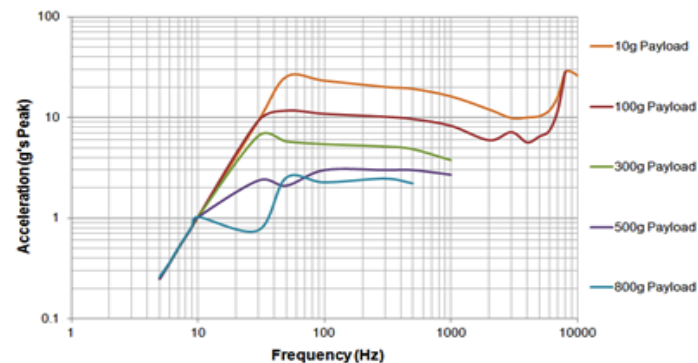
UNCERTAINTY^[3]

7 Hz to 2kHz	±3%
2kHz to 10kHz	±1 dB

ELECTRICAL

AC Power (computer+9110D)	110-240 V 50-60 Hz
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Maximum Acceleration VS. Frequency



PARTS INCLUDED

TMS 9110D
Computer with Calibration Software
National Instruments USB-4431
PCB 353B04 Verification Sensor or smaller
In-line Charge Amplifier
Tool Kit
Installation and Training [4]

NOTES

- [1] Operating range reduced at higher payloads, see chart
- [2] Capacitive, Piezoresistive and CVLD sensor types require additional signal conditioners
- [3] Uncertainty typical for accelerometers with mass of less than 50 grams (1.75 oz) and sensitivity of 10 mV/g or greater
- [4] Excludes travel and living expenses outside the United States

All specifications are at room temperature unless otherwise specified.

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Project Engineer:

Project Manager:

Mkt Team Leader:

Spec Number:
PS-0113

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

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SAM-F020 revNR 04/04/03

Maximum Acceleration VS. Frequency

