

Model Number
9155D-771

BACK-TO-BACK LOW-FREQUENCY ACCELEROMETER CALIBRATION OPTION

Revision: B
ECN #:

PERFORMANCE – SYSTEM

Expanded Measurement Uncertainty			[0]
0.5 to 1.0 Hz	%	1.5	[1]
1.0 to 10 Hz	%	1.25	[1]
10 to 100 Hz	%	1.0	[1]

LONG-STROKE AIR BEARING SHAKER

Manufacturer/Model	TMS	2129E025	[2]
Frequency Range	Hz	0.1 to 500	
Maximum Acceleration			
0.5 to 1.0 Hz	g _{pk}	0.128 to 0.51	[3]
1.0 to 10 Hz	g _{pk}	0.51 to 2	[3]
Maximum Displacement	in _{pk-pk} (mm _{pk-pk})	10 (255)	
Maximum Payload	kg	2	

ICP® REFERENCE ACCELEROMETER

Manufacturer/Model	PCB Piezotronics	301M26	[2]
Sensitivity (+/- 10%)	mV/g	500	
Transverse Sensitivity	%	≤3	
Low Frequency Range (-5%)	Hz	0.035	
Sensing Element Material		Quartz	
Discharge Time Constant	sec	>15	
Broadband Resolution	mg rms	0.15	

ICP® VERIFICATION ACCELEROMETER

Manufacturer/Model	PCB Piezotronics	Q353B51	[2][4]
Sensitivity (+/- 10%)	mV/g	500	
Transverse Sensitivity	%	≤5	[5]
Low Frequency Range (-5%)	Hz	0.1	
Sensing Element Material		Quartz	
Discharge Time Constant	sec	≥ 10	
Settling Time	sec	< 300	
Broadband Resolution	mg RMS	0.4	

MISCELLANEOUS

9155D-771 available as option to 9155D system, includes 2129E025 long-stroke shaker with 301M26 back-to-back reference sensor for calibrations from 0.5 to 500 Hz.
9155 software provides seamless integration of data acquired by the 2129E025 long-stroke shaker with high-frequency data acquired using alternative shaker hardware such as supplied with the 9155D-830 air bearing shaker option.

NOTES:

- [0] Uncertainty below 0.5 Hz, above 100 Hz, is undefined.
- [1] Per ISO with k=2 coverage factor using Q353B51.
- [2] See manufacturer data for full specifications.
- [3] At max displacement 10 in_{pk-pk}. Max acceleration dependent on payload.
- [4] Q prefix for extended discharge time constant.
- [5] Transverse sensitivity is typically ≤ 3%.

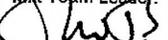
SUPPLIED ACCESSORIES:

- PCIe Ethernet Card
- Crossover Ethernet Cable
- Verification Accelerometer

All specifications are at room temperature unless otherwise specified.

ICP® is a registered trademark of PCB Piezotronics, Inc.

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

Project Engineer: 	Product Manager: 	Mkt Team Leader: 	Spec Number: PS-0081
Date: 10/21/14	Date: 10/22/14	Date: 10/23/14	

THE MODAL SHOP
AN AMPHENOL COMPANY

10310 Aerohub Boulevard
Cincinnati, OH 45215, USA

800-860-4867 Fax (513) 458-2172
513-351-9919

info@modalshop.com
SAM-F020 revNR 04/04/03