ICP® REFERENCE ACCELEROMETER Manufacturer/Model PCB Piezotronics 301M26 [2] Sensitivity (+/- 10%) mV/g 500 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 mV/g 500 Manufacturer/Model PCB Piezotronics Q353B51 Sensitivity (+/- 5%) mV/g 500 Low Frequency Range (-5%) Hz 0.1 Sensitivity (+/- 5%) mV/g 500 Low Frequency Range (-5%) Hz 0.1 Sensing Element Material Quartz [2][4] Low Frequency Range (-5%) Hz 0.1 Sensing Element Material Quartz [3] At max displacement 10 inglesh, max acceleration level dependent on payload. Sensing Element Material Quartz [4] Q prefix for extended discharge time constant. Verification Accelerometer Settling Time sec >300 [5] Nominal. Reference Accelerometer Broadband Resolution mg rms<	PERFORMANCE – SYSTEM Expanded Measurement Uncertainty 0.25 to 0.5 Hz 0.5 to 1.0 Hz 1.0 to 10 Hz 10 to 100 Hz (ICP Reference Accelerometer Only) LONG-STROKE AIR BEARING SHAKER Manufacturer/Model Frequency Range Maximum Acceleration 0.1 to 0.25Hz 0.25 to 0.5 Hz 0.5 to 1.0 Hz 1.0 to 10 Hz Maximum Displacement Maximum Payload REFERENCE OPTICAL ENCODER Scale Tape Pitch Measurement Resolution Scale Linearity	% % % TMS Hz ^{gpk} gpk gpk gpk gpk in _{pk-pk} (mm _{pk-pk}) kg µm nm µm/m	3.0 1.1 0.8 1.0 2129E025 0.1 to 500 0.005 to 0.032 0.032 to 0.128 0.128 to 0.51 0.51 to 2 10 (255) 2 20 10 +/- 3	[0] [1] [1] [1] [2] [3] [3] [3] [3]	 MISCELLANEOUS 9155D-779 available as option to 9155D syste Long-stroke shaker with integrated optical e sensor hardware for calibrations from 0.1 to The 779 option also includes a reference se calibrations from 10-500 Hz. 9155D-779 software provides seamless integr acquired with optical displacement reference acquired with accelerometer reference. High included using alternative shaker hardware 9155D-830 air bearing shaker option. 	ncoder reference 10 Hz. nsor for back-to-back ation of low-frequency data e and mid-frequency data ner frequency data may be
Manufacturer/Model PCB Piezotronics 301M26 [2] Sensitivity (+/- 10%) mV/g 500 Low Frequency Range (-5%) Hz 0.035 Sensing Element Material Quantz Discharge Time Constant sec >15 Broadband Resolution mg rms 0.15 ICP [®] VERIFICATION ACCELEROMETER MOTES: [0] Uncertainty below 0.25 Hz, above 100 Hz, is undefined. Manufacturer/Model PCB Piezotronics Q353B51 [2][4] Sensitivity (+/- 5%) mV/g 500 PCI Data Acquisition Card undefined. Low Frequency Range (-5%) mV/g 500 PCI Data Acquisition Card Low Frequency Range (-5%) mV/g 500 [2][4] [3] At max displacement 10 in _{hept} , max acceleration level dependent on payload. PCIe Ethernet Card Sensing Element Material Quantz [3] At max displacement 10 in _{hept} , max acceleration level dependent on payload. Verification Accelerometer Settling Time sec >10 [5] Nominal. Verification Accelerometer Reference Accelerometer mg rms 0.4 All specifications are at room temperature unless otherwise specified. [8] Nominal.	Scale Thermal Sensitivity			[5]		
Broadband Resolution mg rms 0.15 ICP® VERIFICATION ACCELEROMETER PCB Piezotronics Q353B51 [2][4] [0] Uncertainty below 0.25 Hz, above 100 Hz, is undefined. PCI Data Acquisition Card Manufacturer/Model PCB Piezotronics Q353B51 [2][4] [1] Per ISO with k=2 coverage factor using Q353B51. Shielded Connector Block Sensitivity (+/- 5%) mV/g 500 Shielded Connector Block PCI Data Acquisition Card Low Frequency Range (-5%) Hz 0.1 [3] At max displacement 10 in pkepk, max acceleration level dependent on payload. PCI Data Acquisition Card Sensing Element Material Quartz [4] Q prefix for extended discharge time constant. Verification Accelerometer Discharge Time Constant sec >10 [5] Nominal. Reference Accelerometer Settling Time sec >300 [6] Nominal. Reference Accelerometer All specifications are at room temperature unless otherwise specified. 0.4 Image: Sec State S	Manufacturer/Model Sensitivity (+/- 10%) Low Frequency Range (-5%) Sensing Element Material	mV/g Hz	500 0.035 Quartz	[2]		é
Manufacturer/Model PCB Piezotronics Q353B51 [2][4] undefined. Image: Additional connector block Shielded Connector Block Sensitivity (+/- 5%) mV/g 500 [1] Per ISO with k=2 coverage factor using Q353B51. Shielded Connector Block Low Frequency Range (-5%) Hz 0.1 [2] See manufacturer data for full specifications. PCIe Ethernet Card Sensing Element Material Quartz [3] At max displacement 10 in pik-pik, max acceleration level dependent on payload. Verification Accelerometer Discharge Time Constant sec >10 [5] Nominal. Reference Accelerometer Settling Time sec >300 [6] Nominal. Reference Accelerometer All specifications are at room temperature unless otherwise specified. 0.4 [2] Nominal. [3] Nominal.	Broadband Resolution					SUPPLIED ACCESSORIES:
	Manufacturer/Model Sensitivity (+/- 5%) Low Frequency Range (-5%) Sensing Element Material Discharge Time Constant Settling Time Broadband Resolution	mV/g Hz sec sec mg rms	500 0.1 >10 >300 0.4	[2][4]	 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 level dependent on payload. [4] Q prefix for extended discharge time constant. 	Shielded Connector Block PCIe Ethernet Card Verification Accelerometer
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