Piezo Instrumentation KISTLER

Calibration Certificate

Accelerometer System

TYPE [redacted]

Accelerometer Model 8076K SN C106761

Amplifier/Coupler Model 5020 SN C34162

Range ± 250 g*

Sensitivity at 100 Hz, 10 g*rms 10.00 mV/g*

at Hz, g*rms

159.15

Mounted Resonant Frequency 37.3 kHz

Transverse Sensitivity 2.0 %

.010498

10.00 (1 − 0.001) = 9.990 mV/g*

Mounting Torque 24 ± 2 lbf-in (2.7 ± 0.2 Nm)
All measurements at ambient conditions of 21°C (70°F) and 50% R.H.
*g = 9.807 m/s²

✓ Frequency Response

159.15

Frequency (Hz)	20	50	100	200	500	1k	2k	5k	8k	10k
Deviation (%)	-0.9	-0.1	+0.0	-0.1	-0.4	-0.1	+0.1	+0.4	-0.3	-0.7

-0.06

This accelerometer was calibrated using a back-to-back comparison technique against a Kistler Working Standard. Kistler Working Standards are periodically calibrated against a Kistler Reference Standard System which in turn is periodically recertified by the National Institute of Standards and Technology. The calibration of all Kistler acceptance test instrumentation is in conformance with MIL-STD-45662A.

NIST Traceability

	Working Standard		Reference Standard	
Accelerometer	Model 8002K	SN C28623	Model 808K1	SN 1263
Charge Amplifier	Model 5020	SN C31242	Model 561T	SN 251

NIST Test Report Number 822/250337

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