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 Measurement Specialties (China). Ltd.
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 Shenzhen High-Tech Park (North)
 Nanshan District, Shenzhen, China 518057

Issue Date: Jul. 22, 2020
 Excitation Voltage (Vdc): 10.0
 Zero Signal Output (mV): 8.2
 Input Resistance (Ohm): 4363
 Output Resistance (Ohm): 4295
 Temperature (°C): 22
 Relative Humidity (%): 64

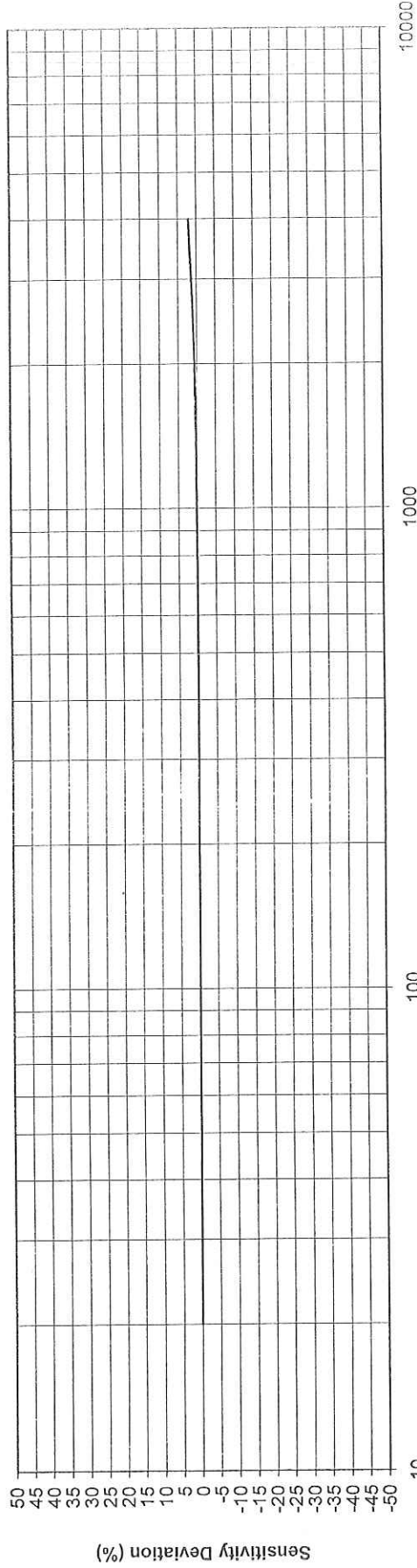
Device Under Test (DUT): Accelerometer
 Model Name: 58-2000-360
 Serial Number: A341464
 Calibration Frequency Range: 20 Hz - 4000 Hz
 Sensitivity @ 80 Hz, 10g pk: 0.1367 mV/g
 Sensitivity @ 80 Hz, 98 m/s² pk: 0.01394 mV/(m/s²)
 Transverse Sensitivity: <3%



A341464
 JP00467849

Calibration Certificate

Notes:



Console Manufacturer: SPEKTRA

Console Model: CS18
 Console Serial Number: 200404

Uncertainty Estimate (95% Confidence, k=2)

Frequency Response Test

/Amplitude
 $U_{rel}=1.5\%$ $10 \leq f < 100$ Hz
 $U_{rel}=1.2\%$ $100 \leq f \leq 2500$ Hz
 $U_{rel}=2.5\%$ $2500 < f \leq 10000$ Hz
 $U_{rel}=5.0\%$ $10000 < f \leq 20000$ Hz

Ref.Sens. Test /Amplitude

Sensitivity Amplitude Linearity%(if necessary)
 Linearity Test
 $0.01m/s^2 < a < 10m/s^2$ $U=2.0\%$
 $10m/s^2 \leq a \leq 100m/s^2$ $U=1.8\%$



Comply with JJG233-2008

This certificate shall not be reproduced, except in full, without the written approval of TE Connectivity.

This calibration is traceable to the National Institute of Standards and Technology, certified to ISO9001:2015, and is in accordance with ANSI/NCSL Z540-1-1994 (MIL-STD 45662A) and ISO10012-1:2003 and ISO/IEC 17025:2005.

Checked by: [Signature]

Operator: 11972

COPY

Model Name: 58-2000-360
 Serial Number: A341464
 FR Sensitivity @ 80 Hz: 0.1356422 mv/g
 FR Test Acceleration Level: 10 g pk



No.	g Level (g)	Sense (mV/g)	Output (mV)	Fitting Output (mV)	Deviation (%)	Linearity (%)
1	20.48	0.1354	2.77	2.78	-0.12	-0.02
2	38.4	0.13511	5.19	5.21	-0.33	-0.07
3	61.45	0.13562	8.33	8.33	0.04	0.00
4	78.3	0.13631	10.67	10.62	0.55	0.21
5	101.7	0.13614	13.85	13.79	0.43	0.20
6	121.9	0.13571	16.54	16.53	0.11	0.05
7	145.2	0.13563	19.69	19.69	0.05	0.01
8	162.2	0.13561	22.00	22.00	0.04	0.00
9	181.3	0.13533	24.54	24.59	-0.17	-0.19
10	194.8	0.13556	26.41	26.42	0.00	-0.04
SLOPE 0.1356						ABS MAX 0.21

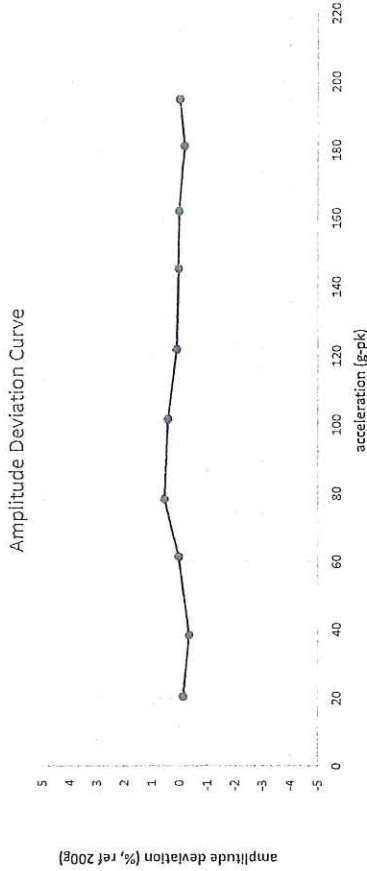
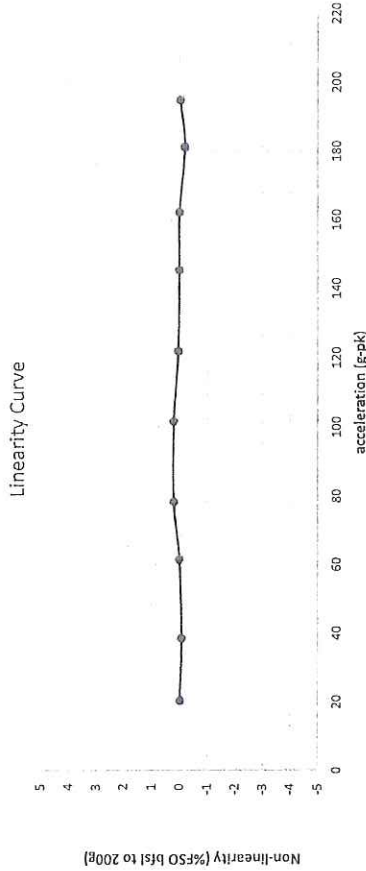
LIMIT		ABS MAX	LINEARITY
1	MAX	0.1363	<1%
2	MIN	0.1351	<2%

LIMIT		ABS MAX	LINEARITY
1	MAX	0.1363	<2.6%
2	MIN	0.1351	<2.6%

WORKDATA:

g Level (g)	RMS	Output (mV)	Fitting Output (mV)
-194.800		-26.4071	-26.417
-181.300		-24.5353	-24.586
-162.200		-21.9959	-21.996
-145.200		-19.6935	-19.690
-121.900		-16.5430	-16.531
-101.700		-13.8454	-13.791
-78.300		-10.6731	-10.618
-61.450		-8.3338	-8.333
-38.400		-5.1882	-5.207
-20.490		-2.7743	-2.779
0.000		0.0000	0.000
20.490		2.7743	2.779
38.400		5.1882	5.207
61.450		8.3338	8.333
78.300		10.6731	10.618
101.700		13.8454	13.791
121.900		16.5430	16.531
145.200		19.6935	19.690
162.200		21.9959	21.996
181.300		24.5353	24.586
194.800		26.4071	26.417

Slope: 0.1356



Operator: 11972

Checked and Approved: 16422

Date: 7/23/2020