

Calibration Certificate

Document number: 11338

Description: ISOTRON accelerometer

Manufacturer: ENDEVCO

Model Number: S2M1

Serial Number: 11038

Bias (V): 12.7

Resonance Frequency (Hz): 23927

Sensitivity: 97.85 mV/g @ 100 Hz, 5 g pk

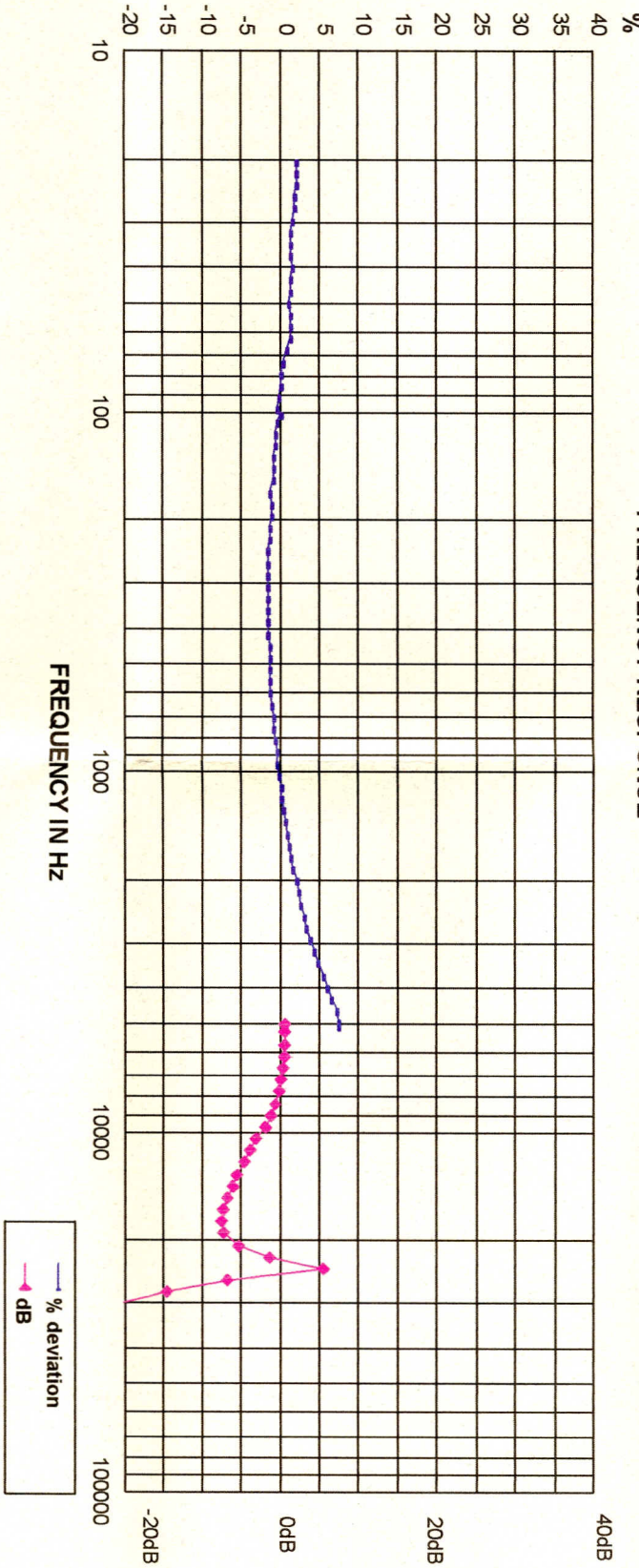
9.978 mV/m/s² @ 100 Hz, 49 m/s² pk

Case Grounding: Isolated

Excitation: 4.0 mA

Notes:

FREQUENCY RESPONSE



Endevco, a division of Meggitt, located at 30700 Rancho Viejo Road, San Juan Capistrano, CA, certifies that the above instrument was tested using comparison calibrations per ANSI S2.2 using Endevco IM68357. This calibration is traceable to the National Institute of Standards and Technology and is in accordance with ANSI/NCSS Z540-1-1994 (MIL-STD 45662A).

Console serial number: AC28

NIST traceability #: 822/264654-01

Equipment used: 2901

Test Name: test

Uncertainty estimate (95% confidence, k=2)

Uncertainty	100.0 Hz Sensitivity	20.0 < f <= 100.0 Hz	100.0 < f <= 2500.0 Hz	2500.0 < f <= 10000.0 Hz	10000.0 < f <= 20000.0 Hz
+/- 1.2 %	100.0 Hz Sensitivity				
+/- 1.5 %		20.0 < f <= 100.0 Hz			
+/- 1.2 %			100.0 < f <= 2500.0 Hz		
+/- 2.5 %				2500.0 < f <= 10000.0 Hz	
+/- 5.0 %					10000.0 < f <= 20000.0 Hz

By:



Operator name & title
09/12/2001 10:39 AM

ISOTRON SBU
S/W 4.01