

# Calibration Certificate

Model No. 353B03

Serial No. 12252

PO No. \_\_\_\_\_ Customer \_\_\_\_\_

Calibration traceable to NIST thru Project No. 822/253168

Per ISA-RP37.2

## ICP® ACCELEROMETER

with built-in electronics

Calibration procedure is in compliance with MIL-STD-45662A and traceable to NIST.

### CALIBRATION DATA

Voltage Sensitivity 10.36 mV/g  
 Transverse Sensitivity 1.9 %  
 Resonant Frequency 53.5 kHz  
 Time Constant 0.7 s  
 Output Bias Level 8.9 V

### KEY SPECIFICATIONS

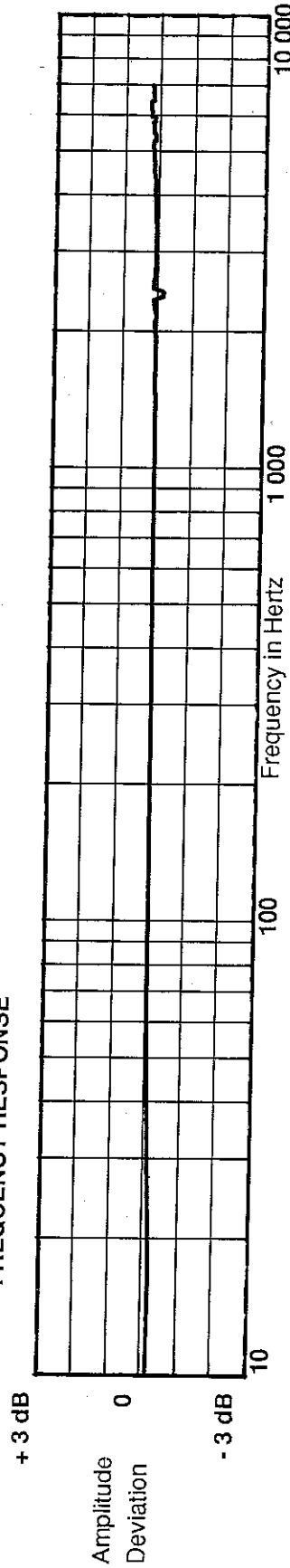
Range 500 ±g  
 Resolution 0.01 g  
 Temp. Range -65/+250 °F

METRIC CONVERSIONS:  
 ms<sup>-2</sup> = 0.102 g  
 °C = 5/9 x (°F - 32)

Reference Freq.

|                     |    |      |      |      |      |     |     |     |      |      |      |      |
|---------------------|----|------|------|------|------|-----|-----|-----|------|------|------|------|
| Frequency           | Hz | 10   | 15   | 30   | 50   | 100 | 300 | 500 | 1000 | 3000 | 5000 | 7000 |
| Amplitude Deviation | %  | -1.5 | -1.9 | -1.0 | -0.3 | 0.0 | 0.3 | 0.6 | 0.6  | 1.3  | 2.5  | 3.1  |

### FREQUENCY RESPONSE



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 716-684-0001

Date 6/20/94  
 Calibrated by Ton Burke