



DATE: 2024/5/22

REF TEK 147A-01/3 Accelerometer

S/N: 23784

P/N: R-97499-00

NORMALIZED MAGNITUDE - FREQUENCY CHARACTERISTICS

| Freq. (Hz) | Z-Axis<br>(Vertical) | Y-Axis<br>(North/South) | X-Axis<br>(East/West) |
|------------|----------------------|-------------------------|-----------------------|
| 1.00       | 1.0004               | 1.0004                  | 1.0007                |
| 10.00      | 1.0000               | 1.0000                  | 1.0000                |
| 20.00      | 0.9990               | 0.9990                  | 0.9991                |
| 30.00      | 0.9975               | 0.9975                  | 0.9980                |
| 40.00      | 0.9959               | 0.9958                  | 0.9967                |
| 50.00      | 0.9945               | 0.9942                  | 0.9956                |
| 60.00      | 0.9937               | 0.9930                  | 0.9948                |
| 70.00      | 0.9939               | 0.9927                  | 0.9947                |
| 80.00      | 0.9956               | 0.9937                  | 0.9957                |
| 90.00      | 0.9987               | 0.9963                  | 0.9981                |
| 100.00     | 1.0037               | 1.0007                  | 1.0023                |
| 120.00     | 1.0204               | 1.0161                  | 1.0174                |
| 140.00     | 1.0465               | 1.0402                  | 1.0432                |
| 160.00     | 1.0740               | 1.0625                  | 1.0709                |

SENSITIVITIES

|                           | Z-Axis<br>(Vertical) | Y-Axis<br>(North/South) | X-Axis<br>(East/West) |
|---------------------------|----------------------|-------------------------|-----------------------|
| Output Sensitivity (V/g)  | 2.499                | 2.499                   | 2.501                 |
| Cross-axis Coupling (g/g) | 0.20%                | 0.24%                   | 0.60%                 |

\* g = 9.80 m/s<sup>2</sup>

Rev H (2020-04)

