

**DATE: 2025/5/12**

## REF TEK 147A-01/3 Accelerometer

**S/N: 24858**

**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       | 1.0002               | 1.0003                  | 1.0002                |
| 10.00      | 1.0000               | 1.0000                  | 1.0000                |
| 20.00      | 0.9995               | 0.9991                  | 0.9995                |
| 30.00      | 0.9988               | 0.9977                  | 0.9988                |
| 40.00      | 0.9981               | 0.9962                  | 0.9980                |
| 50.00      | 0.9975               | 0.9946                  | 0.9973                |
| 60.00      | 0.9973               | 0.9935                  | 0.9970                |
| 70.00      | 0.9978               | 0.9931                  | 0.9974                |
| 80.00      | 0.9994               | 0.9939                  | 0.9987                |
| 90.00      | 1.0022               | 0.9963                  | 1.0013                |
| 100.00     | 1.0065               | 1.0006                  | 1.0054                |
| 120.00     | 1.0211               | 1.0171                  | 1.0200                |
| 140.00     | 1.0444               | 1.0466                  | 1.0459                |
| 160.00     | 1.0679               | 1.0820                  | 1.0788                |

### SENSITIVITIES

|                           | Z-Axis<br>(Vertical) | Y-Axis<br>(North/South) | X-Axis<br>(East/West) |
|---------------------------|----------------------|-------------------------|-----------------------|
| Output Sensitivity (V/g)  | 2.501                | 2.499                   | 2.501                 |
| Cross-axis Coupling (g/g) | 0.20%                | 0.24%                   | 0.52%                 |

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

Rev H (2020-04)