

**DATE: 2025/5/21**

## REF TEK 147A-01/3 Accelerometer

**S/N: 24834**

**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       | 1.0005               | 1.0002                  | 1.0003                |
| 10.00      | 1.0000               | 1.0000                  | 1.0000                |
| 20.00      | 0.9986               | 0.9995                  | 0.9990                |
| 30.00      | 0.9966               | 0.9988                  | 0.9975                |
| 40.00      | 0.9943               | 0.9980                  | 0.9959                |
| 50.00      | 0.9922               | 0.9973                  | 0.9944                |
| 60.00      | 0.9908               | 0.9971                  | 0.9934                |
| 70.00      | 0.9906               | 0.9974                  | 0.9933                |
| 80.00      | 0.9921               | 0.9989                  | 0.9946                |
| 90.00      | 0.9954               | 1.0014                  | 0.9975                |
| 100.00     | 1.0010               | 1.0054                  | 1.0024                |
| 120.00     | 1.0199               | 1.0188                  | 1.0195                |
| 140.00     | 1.0491               | 1.0396                  | 1.0469                |
| 160.00     | 1.0782               | 1.0592                  | 1.0747                |

### SENSITIVITIES

|                           | Z-Axis<br>(Vertical) | Y-Axis<br>(North/South) | X-Axis<br>(East/West) |
|---------------------------|----------------------|-------------------------|-----------------------|
| Output Sensitivity (V/g)  | 2.499                | 2.499                   | 2.500                 |
| Cross-axis Coupling (g/g) | 0.20%                | 0.16%                   | 0.32%                 |

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

Rev H (2020-04)