

**DATE: 2024/5/24**

## REF TEK 147A-01/3 Accelerometer

**S/N: 23747**

**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               | 1.0002                  | 1.0004                |
| 10.00      | 1.0000               | 1.0000                  | 1.0000                |
| 20.00      | 0.9994               | 0.9995                  | 0.9990                |
| 30.00      | 0.9986               | 0.9988                  | 0.9974                |
| 40.00      | 0.9977               | 0.9981                  | 0.9957                |
| 50.00      | 0.9971               | 0.9974                  | 0.9941                |
| 60.00      | 0.9970               | 0.9971                  | 0.9930                |
| 70.00      | 0.9977               | 0.9974                  | 0.9928                |
| 80.00      | 0.9998               | 0.9987                  | 0.9940                |
| 90.00      | 1.0033               | 1.0011                  | 0.9969                |
| 100.00     | 1.0086               | 1.0049                  | 1.0019                |
| 120.00     | 1.0258               | 1.0181                  | 1.0196                |
| 140.00     | 1.0514               | 1.0403                  | 1.0482                |
| 160.00     | 1.0741               | 1.0646                  | 1.0772                |

### 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) | 0.44%                | 0.12%                   | 0.04%                 |

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

Rev H (2020-04)