

**DATE: 2025/6/12**

## REF TEK 147A-01/3 Accelerometer

**S/N: 24842**

**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                  | 1.0005                |
| 10.00      | 1.0000               | 1.0000                  | 1.0000                |
| 20.00      | 0.9989               | 0.9990                  | 0.9986                |
| 30.00      | 0.9974               | 0.9976                  | 0.9967                |
| 40.00      | 0.9956               | 0.9960                  | 0.9946                |
| 50.00      | 0.9941               | 0.9947                  | 0.9930                |
| 60.00      | 0.9931               | 0.9940                  | 0.9922                |
| 70.00      | 0.9932               | 0.9943                  | 0.9927                |
| 80.00      | 0.9948               | 0.9962                  | 0.9950                |
| 90.00      | 0.9981               | 0.9997                  | 0.9991                |
| 100.00     | 1.0034               | 1.0053                  | 1.0053                |
| 120.00     | 1.0209               | 1.0237                  | 1.0251                |
| 140.00     | 1.0469               | 1.0513                  | 1.0536                |
| 160.00     | 1.0701               | 1.0765                  | 1.0786                |

### SENSITIVITIES

|                           | Z-Axis<br>(Vertical) | Y-Axis<br>(North/South) | X-Axis<br>(East/West) |
|---------------------------|----------------------|-------------------------|-----------------------|
| Output Sensitivity (V/g)  | 2.500                | 2.499                   | 2.499                 |
| Cross-axis Coupling (g/g) | 0.36%                | 0.24%                   | 0.08%                 |

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

Rev H (2020-04)