

DATE: 2024/5/27

## REF TEK 147A-01/3 Accelerometer

S/N: 23746

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      | 0.9990               | 0.9988                  | 0.9986                |
| 30.00      | 0.9976               | 0.9970                  | 0.9965                |
| 40.00      | 0.9962               | 0.9951                  | 0.9943                |
| 50.00      | 0.9951               | 0.9934                  | 0.9924                |
| 60.00      | 0.9945               | 0.9922                  | 0.9912                |
| 70.00      | 0.9947               | 0.9920                  | 0.9911                |
| 80.00      | 0.9961               | 0.9932                  | 0.9925                |
| 90.00      | 0.9988               | 0.9958                  | 0.9955                |
| 100.00     | 1.0031               | 1.0003                  | 1.0004                |
| 120.00     | 1.0181               | 1.0155                  | 1.0170                |
| 140.00     | 1.0445               | 1.0400                  | 1.0437                |
| 160.00     | 1.0768               | 1.0661                  | 1.0728                |

### SENSITIVITIES

|                           | Z-Axis<br>(Vertical) | Y-Axis<br>(North/South) | X-Axis<br>(East/West) |
|---------------------------|----------------------|-------------------------|-----------------------|
| Output Sensitivity (V/g)  | 2.500                | 2.501                   | 2.499                 |
| Cross-axis Coupling (g/g) | 0.16%                | 0.32%                   | 0.40%                 |

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

Rev H (2020-04)