



DATE: 2024/5/25

REF TEK 147A-01/3 Accelerometer

S/N: 23781

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       | 1.0003               | 1.0002                  | 1.0004                |
| 10.00      | 1.0000               | 1.0000                  | 1.0000                |
| 20.00      | 0.9991               | 0.9994                  | 0.9987                |
| 30.00      | 0.9979               | 0.9985                  | 0.9969                |
| 40.00      | 0.9966               | 0.9976                  | 0.9949                |
| 50.00      | 0.9955               | 0.9968                  | 0.9932                |
| 60.00      | 0.9950               | 0.9965                  | 0.9920                |
| 70.00      | 0.9955               | 0.9969                  | 0.9920                |
| 80.00      | 0.9975               | 0.9986                  | 0.9935                |
| 90.00      | 1.0013               | 1.0017                  | 0.9968                |
| 100.00     | 1.0071               | 1.0065                  | 1.0020                |
| 120.00     | 1.0268               | 1.0230                  | 1.0198                |
| 140.00     | 1.0580               | 1.0502                  | 1.0479                |
| 160.00     | 1.0909               | 1.0803                  | 1.0775                |

SENSITIVITIES

|                           | Z-Axis<br>(Vertical) | Y-Axis<br>(North/South) | X-Axis<br>(East/West) |
|---------------------------|----------------------|-------------------------|-----------------------|
| Output Sensitivity (V/g)  | 2.499                | 2.501                   | 2.499                 |
| Cross-axis Coupling (g/g) | 0.76%                | 0.20%                   | 0.40%                 |

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

Rev H (2020-04)

