



DATE: 2024/5/17

REF TEK 147A-01/3 Accelerometer

S/N: 23758

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               | 1.0003                  | 1.0003                |
| 10.00      | 1.0000               | 1.0000                  | 1.0000                |
| 20.00      | 0.9993               | 0.9991                  | 0.9991                |
| 30.00      | 0.9982               | 0.9977                  | 0.9979                |
| 40.00      | 0.9969               | 0.9962                  | 0.9964                |
| 50.00      | 0.9958               | 0.9948                  | 0.9951                |
| 60.00      | 0.9950               | 0.9938                  | 0.9943                |
| 70.00      | 0.9948               | 0.9937                  | 0.9942                |
| 80.00      | 0.9957               | 0.9949                  | 0.9955                |
| 90.00      | 0.9980               | 0.9977                  | 0.9981                |
| 100.00     | 1.0020               | 1.0025                  | 1.0026                |
| 120.00     | 1.0167               | 1.0198                  | 1.0181                |
| 140.00     | 1.0429               | 1.0493                  | 1.0427                |
| 160.00     | 1.0740               | 1.0836                  | 1.0674                |

SENSITIVITIES

|                           | Z-Axis<br>(Vertical) | Y-Axis<br>(North/South) | X-Axis<br>(East/West) |
|---------------------------|----------------------|-------------------------|-----------------------|
| Output Sensitivity (V/g)  | 2.501                | 2.501                   | 2.499                 |
| Cross-axis Coupling (g/g) | 0.20%                | 0.36%                   | 0.04%                 |

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

Rev H (2020-04)

