



DATE: 2024/8/30

REF TEK 147A-01/3 Accelerometer

S/N: 24738

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               | 1.0011                  | 1.0005                |
| 10.00      | 1.0000               | 1.0000                  | 1.0000                |
| 20.00      | 0.9990               | 0.9972                  | 0.9986                |
| 30.00      | 0.9976               | 0.9942                  | 0.9968                |
| 40.00      | 0.9960               | 0.9917                  | 0.9950                |
| 50.00      | 0.9947               | 0.9904                  | 0.9938                |
| 60.00      | 0.9941               | 0.9904                  | 0.9933                |
| 70.00      | 0.9944               | 0.9917                  | 0.9939                |
| 80.00      | 0.9962               | 0.9947                  | 0.9959                |
| 90.00      | 0.9997               | 0.9993                  | 0.9993                |
| 100.00     | 1.0052               | 1.0058                  | 1.0044                |
| 120.00     | 1.0238               | 1.0255                  | 1.0209                |
| 140.00     | 1.0545               | 1.0538                  | 1.0473                |
| 160.00     | 1.0895               | 1.0785                  | 1.0751                |

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) | 0.36%                | 0.32%                   | 0.52%                 |

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

Rev H (2020-04)

