REF TEK SYSTEMS INC.

**DATE: 2023/9/4**

# REF TEK 147A-01/3 Accelerometer

**S/N: 23708** **P/N: R-97499-00**

NORMALIZED MAGNITUDE - FREQUENCY CHARACTERISTICS

| Freq. (Hz) | Z-Axis (Vertical) | Y-Axis (North/South) | X-Axis (East/West) |
|---|---|---|---|
| 1.00 | 1.0003 | 1.0004 | 1.0004 |
| 10.00 | 1.0000 | 1.0000 | 1.0000 |
| 20.00 | 0.9991 | 0.9988 | 0.9990 |
| 30.00 | 0.9977 | 0.9970 | 0.9974 |
| 40.00 | 0.9961 | 0.9949 | 0.9955 |
| 50.00 | 0.9946 | 0.9929 | 0.9937 |
| 60.00 | 0.9935 | 0.9914 | 0.9921 |
| 70.00 | 0.9932 | 0.9908 | 0.9913 |
| 80.00 | 0.9941 | 0.9917 | 0.9917 |
| 90.00 | 0.9966 | 0.9945 | 0.9937 |
| 100.00 | 1.0010 | 0.9995 | 0.9975 |
| 120.00 | 1.0180 | 1.0186 | 1.0132 |
| 140.00 | 1.0484 | 1.0519 | 1.0424 |
| 160.00 | 1.0857 | 1.0912 | 1.0792 |

SENSITIVITIES

| | Z-Axis (Vertical) | Y-Axis (North/South) | X-Axis (East/West) |
|---|---|---|---|
| **Output Sensitivity (V/g)** | 2.500 | 2.500 | 2.500 |
| **Cross-axis Coupling (g/g)** | 0.32% | 0.64% | 0.72% |

* g = 9.80 $m/s^2$

**Rev H (2020-04)**