



# REF TEK

SYSTEMS INC.

**The calibration sheet attached is the original calibration sheet for your REF TEK product and includes contact information and branding for the company that performed the testing.**

**Reftek Systems Inc. purchased the REF TEK product line in May 2020.**

**Reftek Systems will honour existing product warranties and extended warranties.**

**ANY QUESTIONS OR REQUESTS FOR SUPPORT SHOULD BE ADDRESSED AS FOLLOWS:**

**Sales & Administrative:** [sales@reftek.com](mailto:sales@reftek.com)

**Support & Engineering:** [support@reftek.com](mailto:support@reftek.com)

**Accounting:** [accounting@reftek.com](mailto:accounting@reftek.com)

**Address:** 36 Topple Drive, Dartmouth, NS Canada B3B 1L6

**Phone:** +1-902-444-7650

**Fax:** +1-902-444-7651

Trimble Navigation Limited  
1600 Tenth Street  
Suite A  
Plano, Texas 75074  
Support phone: 1-888-879-2207  
Support Email: [reftek\\_support@trimble.com](mailto:reftek_support@trimble.com)  
[www.trimble.com/infrustructure](http://www.trimble.com/infrustructure)



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**REF TEK 147A-01/3/EXT      P/N:97499-00**  
**S/N: 14801**

**Normalized Magnitude-frequency Characteristics**

| Freq.(Hz) | Z-Axis<br>(Vertical) | Y-Axis<br>(North/South) | X-Axis<br>(East/West) |
|-----------|----------------------|-------------------------|-----------------------|
| 1.00      | 1.0014               | 1.0020                  | 1.0014                |
| 10.00     | 1.0000               | 1.0000                  | 1.0000                |
| 20.00     | 0.9960               | 0.9945                  | 0.9962                |
| 30.00     | 0.9903               | 0.9865                  | 0.9906                |
| 40.00     | 0.9839               | 0.9775                  | 0.9846                |
| 50.00     | 0.9783               | 0.9693                  | 0.9794                |
| 60.00     | 0.9747               | 0.9633                  | 0.9763                |
| 70.00     | 0.9745               | 0.9614                  | 0.9767                |
| 80.00     | 0.9791               | 0.9648                  | 0.9820                |
| 90.00     | 0.9888               | 0.9744                  | 0.9926                |
| 100.00    | 1.0043               | 0.9910                  | 1.0095                |
| 120.00    | 1.0537               | 1.0465                  | 1.0631                |
| 140.00    | 1.1093               | 1.1102                  | 1.1248                |
| 160.00    | 1.1026               | 1.0941                  | 1.1183                |

**Sensitivities**

|                                      | Z-Axis<br>(Vertical) | Y-Axis<br>(North/South) | X-Axis<br>(East/West) |
|--------------------------------------|----------------------|-------------------------|-----------------------|
| <b>Output Sensitivity<br/>(V/g)</b>  | 2.502                | 2.501                   | 2.502                 |
| <b>Cross-axis Coupling<br/>(g/g)</b> | 0.24%                | 0.44%                   | 0.52%                 |