



# 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.reftek.com](http://www.reftek.com)



## 151B-30 Observer Parameters Table

Seismometer Serial Number	Component	Period (sec)	Damping Coefficient	Output Voltage Sensitivity (V/m/s)	Calibration Sensitivity (m/s <sup>2</sup> /A)
G12390VS	Vertical	29.7	0.698	1996.08	11.1380
	North/South	29.8	0.700	1985.96	10.4659
	East/West	29.8	0.701	1995.73	10.4876

**Zeros: 2 radians**

$$z1 = 0$$

$$z2 = 0$$

**Poles: 4 radians**

$$p1 = -0.14810 + 0.14810i$$

$$p2 = -0.14810 - 0.14810i$$

$$p3 = -177.72 + 177.72i$$

$$p4 = -177.72 - 177.72i$$