



# 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:**

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## REF TEK 151B-120 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)
G14113VS	Vertical	120.0	0.703	1997.0	11.7042
	North/South	119.9	0.703	2008.2	10.6526
	East/West	119.4	0.707	1997.7	10.6676

Zeros: 2 radians

$$z1 = 0$$

$$z2 = 0$$

Poles: 4 radians

Vertical	p1 =	-0.036821	+0.037250 i	p3 =	-222.144	+222.144 i
	p2 =	-0.036821	-0.037250 i	p4 =	-222.144	-222.144 i
North/South	p1 =	-0.036855	+0.037284 i	p3 =	-222.144	+222.144 i
	p2 =	-0.036855	-0.037284 i	p4 =	-222.144	-222.144 i
East/West	p1 =	-0.037204	+0.037216 i	p3 =	-222.144	+222.144 i
	p2 =	-0.037204	-0.037216 i	p4 =	-222.144	-222.144 i