



# 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)
G14121VS	Vertical	120.5	0.707	1980.6	11.6442
	North/South	120.2	0.703	1995.8	10.7922
	East/West	120.3	0.701	2016.1	10.7586

Zeros: 2 radians

$$z1 = 0$$

$$z2 = 0$$

Poles: 4 radians

Vertical	p1 =	-0.036874	+0.036885 i	p3 =	-222.144	+222.144 i
	p2 =	-0.036874	-0.036885 i	p4 =	-222.144	-222.144 i
North/South	p1 =	-0.036757	+0.037185 i	p3 =	-222.144	+222.144 i
	p2 =	-0.036757	-0.037185 i	p4 =	-222.144	-222.144 i
East/West	p1 =	-0.036625	+0.037260 i	p3 =	-222.144	+222.144 i
	p2 =	-0.036625	-0.037260 i	p4 =	-222.144	-222.144 i