



# 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)
G14149VS	Vertical	120.37	0.706	1992.59	11.66
	North/South	120.05	0.705	1992.25	10.61
	East/West	120.57	0.707	1997.81	10.75

**Zeros: 2 radians**

$z1 = 0$

$z2 = 0$

**Poles: 4 radians**

Vertical	$p1 = -0.036852 + 0.036968 i$	$p3 = -222.144 + 222.144 i$
	$p2 = -0.036852 - 0.036968 i$	$p4 = -222.144 - 222.144 i$
North/South	$p1 = -0.036898 + 0.037119 i$	$p3 = -222.144 + 222.144 i$
	$p2 = -0.036898 - 0.037119 i$	$p4 = -222.144 - 222.144 i$
East/West	$p1 = -0.036843 + 0.036855 i$	$p3 = -222.144 + 222.144 i$
	$p2 = -0.036843 - 0.036855 i$	$p4 = -222.144 - 222.144 i$