**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

**Support & Engineering:** support@reftek.com

**Accounting:** 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**
**www.trimble.com/infrastructure**

# 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^2/A) |
|---|---|---|---|---|---|
| G14147VS | Vertical | 120.06 | 0.704 | 1989.35 | 11.61 |
| | North/South | 119.96 | 0.701 | 1996.78 | 10.62 |
| | East/West | 120.01 | 0.705 | 1989.01 | 10.63 |

**Zeros: 2 radians**

z1 = 0

z2 = 0

**Poles: 4 radians**

| | | |
|---|---|---|
| Vertical | p1 = -0.036853 +0.037157 i | p3 = -222.144 +222.144 i |
| | p2 = -0.036853 -0.037157 i | p4 = -222.144 -222.144 i |
| North/South | p1 = -0.036737 +0.037333 i | p3 = -222.144 +222.144 i |
| | p2 = -0.036737 -0.037333 i | p4 = -222.144 -222.144 i |
| East/West | p1 = -0.036890 +0.037152 i | p3 = -222.144 +222.144 i |
| | p2 = -0.036890 -0.037152 i | p4 = -222.144 -222.144 i |