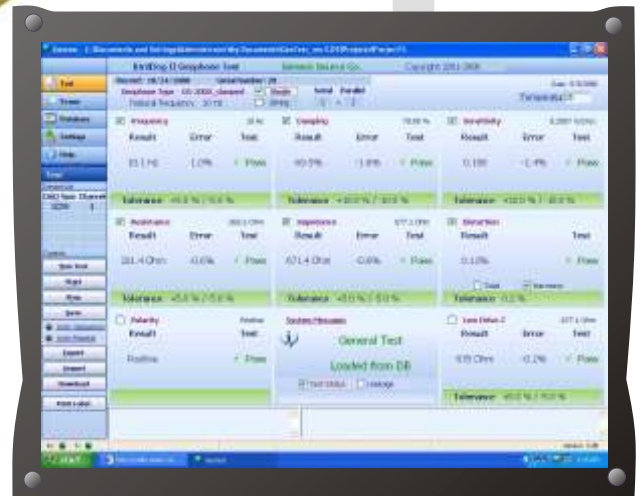
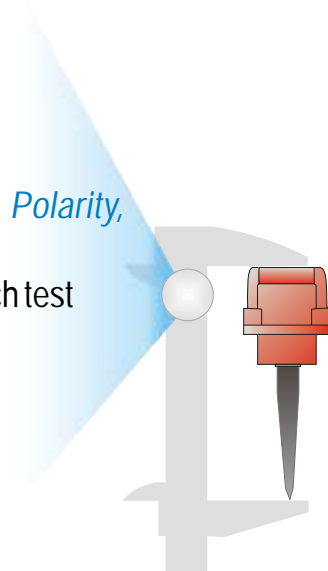


BIRD DOG II Geophone Test System



- Portable operation with Wireless Pocket PC
- Low Drive Level Impedance Test - finds sticking coils
- All tests use 24-bit resolution A to D Converter
- All data downloaded to PC via Ethernet link
- Records all data to a flexible easy to use database
- Records time and date of tests
- Prints individual or summary of test results
- Measures all major geophone parameters:
Resistance, Impedance, Sensitivity, Distortion, Polarity, Damping, Frequency and Leakage
- Easy to operate with simple Pass or Fail Status for each test



Features:

- User selectable geophone parameters and acceptable test tolerance Time Variant Spectral Analysis for spurious frequency and distortion tests
- Time Domain and Frequency Domain plots available
- Optional serial number ID reader available
- Easily switches from String to Single Element Testing
- Performs fast and simple incoming geophones test or performs detailed analysis for research and development
- Temperature Sensor for Temperature Compensation

Seismic Source Co
Phone: (580) 762-8233

Address: 2391 E. Coleman Rd. Ponca City, OK 74604
Fax: (580) 762-1785 email: mail@seismicsource.com

Bird Dog II General Specifications:

| | | |
|---------------------|--|-----------------------------|
| Natural Frequency | Range: | 0.5 - 200 Hz |
| | Accuracy: | 0.5% |
| Resistance | Range: | 1 - 10 000 Ohm |
| | Accuracy: | 1% or 1 Ohm |
| Damping | Range : | 0.1 - 0.9 |
| | Accuracy: | 1% |
| Sensitivity | Range: | 0 V/m/sec to 999 V/m/sec |
| | Accuracy: | 2% |
| Harmonic Distortion | Range: | 0 - 100% |
| | Accuracy: | 5% |
| Impedance | Range: | 1 - 10 000 Ohm |
| Polarity | Positive or Negative with audio indication | |
| Leakage | Range: | 100 kOhm - 1000 MOhm |
| | Accuracy: | 5% |
| Physical | Dimensions: | 3x5.6x11 in (76x144x280 mm) |
| | Weight: | 3 lb (1.4 kg) |



Portable Bird Dog II available

| BirdDog II Geophone Test | | | | | | | | | | | |
|--|----------|--------|-----------|---------|------------|-------------|-----------|------------|------------|----------|----------------|
| Seismic Source Co. Copyright 2001-2006 | | | | | | | | | | | |
| SerialNum | DateTime | String | Frequency | Damping | Resistance | Sensitivity | Impedance | LoDevImped | Distortion | Polarity | GeoType |
| 11/5/2008 3:34:10 PM | Single | 10.08 | 0.689 | 288.3 | 0.193 | 660.9 | 0 | 0.03 | 0 | 0 | Magic Geophone |
| 11/5/2008 3:35:38 PM | Single | 10.1 | 0.688 | 288.3 | 0.195 | 661.3 | 0 | 0.02 | 0 | 0 | Magic Geophone |
| 11/5/2008 3:36:22 PM | Single | 32.04 | 0.629 | 288.3 | 0.34 | 489.9 | 0 | 36.82 | 0 | 0 | Magic Geophone |
| 11/5/2008 3:36:49 PM | Single | 10.13 | 0.686 | 288.3 | 0.193 | 661.8 | 0 | 0.04 | 0 | 0 | Magic Geophone |
| 11/5/2008 3:37:35 PM | Single | 10.16 | 0.694 | 286.0 | 0.197 | 670.4 | 0 | 0.10 | 0 | 0 | GS-20DX_damped |
| 11/5/2008 3:39:00 PM | Single | 237.83 | 0.473 | 286.4 | 0.269 | 280.6 | 0 | 0.00 | 0 | 0 | GS-20DX_damped |
| 11/5/2008 3:39:31 PM | Single | 235.44 | 0.429 | 286.2 | 0.265 | 280.7 | 0 | 0.00 | 0 | 0 | GS-20DX_damped |
| 11/5/2008 3:39:50 PM | Single | 10.28 | 0.69 | 285.5 | 0.199 | 670.1 | 0 | 0.13 | 0 | 0 | GS-20DX_damped |
| 11/5/2008 3:40:15 PM | Single | 10.02 | 0.667 | 287.0 | 0.192 | 669.8 | 0 | 0.17 | 0 | 0 | GS-20DX_damped |
| 11/5/2008 3:41:51 PM | Single | 13.27 | 0.288 | 287.6 | 0.195 | 753.1 | 0 | 38.01 | 0 | 0 | GS-20DX_damped |
| 11/5/2008 3:42:07 PM | Single | 10.12 | 0.687 | 28 | | | | | | | |
| 11/5/2008 3:42:21 PM | Single | 10.48 | 0.702 | 28 | | | | | | | |
| 11/5/2008 3:42:33 PM | Single | 10.15 | 0.693 | 28 | | | | | | | |
| 11/5/2008 3:42:47 PM | Single | 9.85 | 0.677 | 28 | | | | | | | |
| 11/5/2008 3:43:16 PM | Single | 9.98 | 0.678 | 28 | | | | | | | |
| 11/5/2008 3:43:29 PM | Single | 10.17 | 0.688 | 28 | | | | | | | |
| 11/5/2008 3:43:41 PM | Single | 10.07 | 0.691 | 28 | | | | | | | |
| 11/5/2008 3:53:28 PM | Single | 10.33 | 0.702 | 28 | | | | | | | |
| 11/5/2008 3:53:41 PM | Single | 10.36 | 0.704 | 28 | | | | | | | |
| 11/5/2008 3:53:50 PM | Single | 10.26 | 0.699 | 28 | | | | | | | |
| 11/5/2008 3:54:01 PM | Single | 23.92 | 0.025 | 28 | | | | | | | |
| 11/5/2008 3:54:14 PM | Single | 10.0 | 0.694 | 28 | | | | | | | |
| 11/5/2008 3:54:29 PM | Single | 10.04 | 0.681 | 28 | | | | | | | |
| 11/5/2008 3:55:12 PM | Single | 10.02 | 0.677 | 28 | | | | | | | |
| 11/5/2008 3:55:26 PM | Single | 10.07 | 0.684 | 28 | | | | | | | |

Settings

Layout settings Title Visibility

| Group | Columns | Title | |
|--------------|-------------|-------------|-------------------------------------|
| General Info | GeoType | GeoType | <input checked="" type="checkbox"/> |
| | DAQNum | DAQNum | <input type="checkbox"/> |
| | ChanNum | ChanNum | <input type="checkbox"/> |
| | SerialNum | SerialNum | <input checked="" type="checkbox"/> |
| General Info | DateTime | DateTime | <input checked="" type="checkbox"/> |
| | String | String | <input checked="" type="checkbox"/> |
| Test Results | Temperature | Temperature | <input type="checkbox"/> |
| | Comment | Comment | <input checked="" type="checkbox"/> |

| SeismicSource GeoTest Report | | | | | | | | | | | |
|------------------------------|----------|--------|-----------|---------|------------|-------------|-----------|------------|------------|----------|----------------|
| SerialNum | DateTime | String | Frequency | Damping | Resistance | Sensitivity | Impedance | LoDevImped | Distortion | Polarity | GeoType |
| 11/5/2008 3:34:10 PM | Single | 10.08 | 0.689 | 288.3 | 0.193 | 660.9 | 0 | 0.03 | 0 | 0 | Magic Geophone |
| 11/5/2008 3:35:38 PM | Single | 10.1 | 0.688 | 288.3 | 0.195 | 661.3 | 0 | 0.02 | 0 | 0 | Magic Geophone |
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| 11/5/2008 3:36:49 PM | Single | 10.13 | 0.686 | 288.3 | 0.193 | 661.8 | 0 | 0.04 | 0 | 0 | Magic Geophone |
| 11/5/2008 3:37:35 PM | Single | 10.16 | 0.694 | 286.0 | 0.197 | 670.4 | 0 | 0.10 | 0 | 0 | GS-20DX_damped |
| 11/5/2008 3:39:00 PM | Single | 237.83 | 0.473 | 286.4 | 0.269 | 280.6 | 0 | 0.00 | 0 | 0 | GS-20DX_damped |
| 11/5/2008 3:39:31 PM | Single | 235.44 | 0.429 | 286.2 | 0.265 | 280.7 | 0 | 0.00 | 0 | 0 | GS-20DX_damped |
| 11/5/2008 3:39:50 PM | Single | 10.28 | 0.69 | 285.5 | 0.199 | 670.1 | 0 | 0.13 | 0 | 0 | GS-20DX_damped |
| 11/5/2008 3:40:15 PM | Single | 10.02 | 0.667 | 287.0 | 0.192 | 669.8 | 0 | 0.17 | 0 | 0 | GS-20DX_damped |
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