World Leader in High Voltage Testing Equipment and Highest Quality Grounding Assemblies for Electrical Workers
Bierer and Associates Inc. is a manufacturer of high voltage metering and test equipment. Founded in 1985 it is a US based company located in Blythewood SC. It has established itself as a world leader in state of the art portable test equipment for electric utilities, contractors and commercial use worldwide. Bierer and Associates Inc. prides itself in establishing personal and professional relationships with our customers. We ensure product performance, support and most importantly - Safety!

Holding twelve US patents and three US patents pending places Bierer first in the industry. Our revolutionary PD Series multifunction AC/DC digital corded phasing voltmeters will operate from 12 volts to 50,000 volts with an accuracy of 1%. This allows the user to replace multiple costly single-use devices to save your company time and money.

The industry’s first and only Wireless Phasing Meter that will operate from 120 volts to 765,000 volts. One device for all voltage ranges. Transmission, distribution or secondary voltages. Overhead or URD construction.

The PD800W will display phase angle difference, phase sequence, phase rotation, leading phase as well as operate as a standalone voltage detector.

Our Phasing Ranger is the industry’s first and only long distance phasing tool which has been tested at distances up to 1000 miles; Our VD1000 Voltage Detector is a multi-range detector covering all voltage ranges from proximity detecting of downed power lines to 765,000 volts; Our line of Av/Audio/Visual voltage indicators, customizable to suit the needs of your utilities voltage ranges, affordable and repairable; The GT400HDXL or GT600VMA high current testers. The only test sets that circulate ASTM maximum continuous rated current through personal protective ground or mechanical jumper assemblies; The ST510 and ST800 is a portable hand-held lightweight device that produces 500 Amps or 800 Amps of high magnitude current pulses for cable tracing and/or identification of bad conductor(s), bad connectors on overhead, URD and secondary spans to the meter base.

Phasing Meters, Voltage Detectors, Grounding Testers, highest quality Grounding Assemblies and Components, Bierer & Associates Inc. has been at the leading edge of technology in our industry, manufacturing in the USA for decades, but more importantly is how our team also leads the industry in your team’s Safety!

Check out our full product line at BiererMeters.com or call us at 803-786-4839 and someone will be more than happy to assist you in determining what appropriately fits your specific requirements.

For more expanded product information, please visit bierermeters.com
PD25® Phasing Digital 25kV
- Completely Shielded Interconnect Cable (Insulated 35kV to Ground), that Doesn’t Have to be Held Off of Grounded or Live Objects for Fear of Shock or Interfering with the Reading
- Multiple Ranges 2kV, 20kV, 25kV
- Interconnect Cable Lengths up to 100ft.
- Patented Input Circuitry
- The Most Accurate High Voltage Meter Available, with Accuracy to +/- 1%
- Both Probes are Impact and Water Resistant Designed to Withstand Wear
- Both Probes are Stored in Either a Highly Durable Padded Carrying Case or a Canvas Bag
- Extension Resistors available for voltages up to 75kV

The PD25 is a 0-25kV all-in-one phasing voltmeter with numerous applications.
- Capacitive Test Point Phasing Meter
- Regulator Neutral Detector
- Measure True RMS Voltages
- Commercial/Industrial Meter
- Phasing or Measuring Secondary Voltages, Replacing 600V Voltmeters
- Conventional Phasing Voltmeter for Overhead and URD Systems from 0-25kV Phase to Phase
- DC and Multiple Frequency AC up to 400Hz
- High Line Resistive Voltmeter
- Phase Sequence/Rotation Meter
- DC Leakage Tester (lightning arrestor tester)
- Hi Pot URD Cable
- DC Cable Tracer

*Optional Adapter Required

PD50® Phasing Digital 50kV
- Completely Shielded Interconnect Cable (Insulated 35kV to Ground), that Doesn’t Have to be Held Off of Grounded or Live Objects for Fear of Shock or Interfering with the Reading
- Multiple Ranges 2kV, 20kV, 50kV
- Interconnect Cable Lengths up to 100ft.
- Patented Input Circuitry
- The Most Accurate High Voltage Meter Available, with Accuracy to +/- 1%
- Both Probes are Impact and Water Resistant Designed to Withstand Wear
- Both Probes are Stored in Either a Highly Durable Padded Carrying Case or a Canvas Bag
- Extension Resistors available for voltages up to 100kV

The PD50 is a 0-50kV all-in-one phasing voltmeter with numerous applications.
- Capacitive Test Point Phasing Meter
- Regulator Neutral Detector
- Measure True RMS Voltages
- Commercial/Industrial Meter
- Phasing or Measuring Secondary Voltages, Replacing 600V Voltmeters
- Conventional Phasing Voltmeter for Overhead and URD Systems from 0-50kV Phase to Phase
- DC and Multiple Frequency AC up to 400Hz
- High Line Resistive Voltmeter
- Phase Sequence/Rotation Meter
- DC Leakage Tester (lightning arrestor tester)
- Hi Pot URD Cable
- DC Cable Tracer

*Optional Adapter Required

The PD Series® Utility Meters

The Safest most Versatile Meters Available Today!

The PD Series® All-Purpose Utility Meters are phasing voltmeters designed to replace numerous other meters that feature a single range and/or perform a single function.

Also available in PD35 version.
The PD800W® Cordless Phasing Tester accurately and easily operates in multiple applications including phasing, voltage detection, phase sequencing and phase angle indication. You will only need this one kit for three-phase secondary systems, capacitive test points, URD systems and overhead and transmission/substation systems. This unique tester operates like a conventional phasing tester, but does not require an interconnecting cable or extension resistors.

- FCC Licensed Wireless Technology
- Meter Probe features a Large Easy-to-Read Digital Display with Backlight
- Both Probes feature High Intensity Color Coded LED Indicator Lights
- Both Probes are Impact and Water Resistant, Designed to withstand Wear
- Both Probes are Completely Shielded to Minimize Stray Field Interference
- Cordless Phasing Tool Direct Contact from 120V - 69kV
- Cordless Phasing Tool (Degree Position Only) Non-Contact from 69kV - 800kV Transmission/Substation Systems
- Automatically Alerts User of a Delta/Wye Transformation
- Operating Range of 100ft.
- Kit is Stored in a Highly Durable Carrying Case Padded with Foam

The Phasing Ranger 1™ is a revolutionary Phase Identification device. No other phase identification device is easier to use when it comes to determining actual phase relationship in the field. All readings are **Real Time** readings, there are no calculations to be made or data to be transferred from one location to another.

This **Smart Grid** Technology requires a **One Time** set-up procedure and then allows the user a permanent and reliable means of phasing, phase ID, mapping and tagging or general troubleshooting.

- Absolute Phase Identification
- Mapping & Tagging
- Identifies All General Phasing Applications
- Phase Sequence CW/CCW
- URD and Overhead
- Flags Delta/Wye, Wye/Delta Transformations
- Simultaneous use of multiple Field units
- Usable from 120V to 765kV

Dual Phase Power Supply

Bierer introduces our Dual-Phase Power Supply for performing an out-of-phase and in-phase voltage and phase angle test for corded and wireless phasing meters. With an available 3kV output and a true dual phase-angle relationship, an out-of-phase test is easily distinguishable. For safety purposes, and as part of ASTM Safety Standards, Bierer always recommends the operator check for proper operation of their phasing device before and after each use.

The Phasing Ranger 1™ GPS Phasing Tool

The Phasing Ranger 1™ GPS Phasing Tool

The Phasing Ranger 1™ is a revolutionary Phase Identification device. No other phase identification device is easier to use when it comes to determining actual phase relationship in the field. All readings are **Real Time** readings, there are no calculations to be made or data to be transferred from one location to another.

This **Smart Grid** Technology requires a **One Time** set-up procedure and then allows the user a permanent and reliable means of phasing, phase ID, mapping and tagging or general troubleshooting.

- Absolute Phase Identification
- Mapping & Tagging
- Identifies All General Phasing Applications
- Phase Sequence CW/CCW
- URD and Overhead
- Flags Delta/Wye, Wye/Delta Transformations
- Simultaneous use of multiple Field units
- Usable from 120V to 765kV

The Phasing Ranger 1™ is compatible with many of our metering products like the PD800W Phasing Set greatly enhances “Smart Grid Technology” and positively identifies the phase angle of each particular line.
The 81280 is a unique tool in that it may be used as a conventional phasing meter, or the meter probe may be used as a stand-alone voltage detector on primary or secondary voltages or capacitive test points.

- Can be used as a Stand-Alone 25kV Voltage Detector without the Second Probe
- A Conventional 25kV Phasing Meter both Overhead and URD Applications
- Phase Capacitive Test Points
- A Large Easy to Read Analog Meter
- Meter Housing is Completely Shielded to Minimize Stray Field Indications
- An Insulated (35kV) Interconnect Cable with Second Probe
- Each Probe is Impact and Water Resistant
- Meter is Stored in a Highly Durable Padded Carrying Case

The HI POT DEVICE is designed to HI POT de-energized 15kV class cables. The tools transforms 18 volts from the Milwaukee battery to approximately 8,000 volts DC. When the battery is installed and the safety switch is in the closed down position, the unit is in voltage detection mode. Unit should be in this position when installing the device as it will sound a warning alarm if you approach an energized source. When the safety switch is lifted and the toggle switch is switched up, the unit is in the Hi-Pot mode and the high voltage DC is being applied.

- Small and lightweight
- Clear analog indication of “good” or “bad” cable
- Much safer because operator no longer has to daisy chain primary

The HP2DC™ Hi-Pot Meter

For more expanded product information, please visit bierermeters.com
The VD1000 Digital Voltage Detector is designed for easily indicating AC voltage on Underground primary, Overhead primary and Transmission conductors up to 999 kV. The large digital display can be seen and read at distances up to 50'. Unit is perfect for large system voltages from 4kV to 765kV Phase to Phase.

- Large LED Display with Sunshield
- Bright LED Segment and Battery Test
- Standard 9 Volt Battery
- Water Resistant and Strong Construction Designed to Withstand Wear
- Durable Modular Construction with a 1 Year Warranty
- 0-99.9 kV URD, 0-99.9 kV OH, 0-999kV OHVT.
- Rated for Indoor and Outdoor Use
- Most versatile and accurate unit in the utility industry
- Shotgun & Hot Stick Compatible (Universal Grip All Accessory)
- Contained in a Highly Durable Padded Carrying Case

For more expanded product information, please visit bierermeters.com

The VDAO40P is a Dual Application Analog Voltage Detector.

- Detects 0-40kV Line to Ground (0-69kV Phase to Phase)
- A Proximity or Direct Contact on Overhead and Underground Systems
- Easy to Read Analog Scale
- Detect Voltage from the Ground on Rare Overhead Lines when Hand Held
- Test Secondary Voltage on Bare or Insulated Cables
- The Detector Indicates Line to Ground Values for Nominal or Induced Voltages
- The 5 - Position Selector Switch is Calibrated for Height above Ground to Compensate for a Capacitive Coupling Effect
- Shielded to Minimize Stray Field Interference
- For Your Safety, the Detector Includes Overload Protection up to 500kV
- Internal Backlight available for Night Use, VDAL40P Model
- Water Resistant, and a Strong Construction Designed to Withstand Wear
- Contained in a Highly Durable Padded Carrying Case

For more expanded product information, please visit bierermeters.com

The VD1000T Digital Voltage Detector has the same great features as the VD1000, but has a Capacitive Test Point, CTP position added to test URD, CTP Equipped Elbow.

- Large LED Display with Sunshield
- Bright LED Segment and Battery Test
- Standard 9 Volt Battery
- Water Resistant and Strong Construction Designed to Withstand Wear
- Durable Modular Construction with a 1 Year Warranty
- 0-99.9 kV URD, 0-99.9 kV OH, 0-999kV OHVT.
- Rated for Indoor and Outdoor Use
- Most versatile and accurate unit in the utility industry
- Shotgun & Hot Stick Compatible (Universal Grip All Accessory)
- Contained in a Highly Durable Padded Carrying Case

For more expanded product information, please visit bierermeters.com

The VD1000P Digital Voltage Detector has the same great features as the VD1000, but has a P position added to test for Relative Proximity Voltage Detection. Closer to the Voltage Source and Higher the Voltage Yields a higher reading.

- Large LED Display with Sunshield
- Bright LED Segment and Battery Test
- Standard 9 Volt Battery
- Water Resistant and Strong Construction Designed to Withstand Wear
- Durable Modular Construction with a 1 Year Warranty
- 0-99.9 kV URD, 0-99.9 kV OH, 0-999kV OHVT.
- Rated for Indoor and Outdoor Use
- Most versatile and accurate unit in the utility industry
- Shotgun & Hot StickCompatible (Universal Grip All Accessory)
- Contained in a Highly Durable Padded Carrying Case

For more expanded product information, please visit bierermeters.com

The VDA040P is a Dual Application Analog Voltage Detector.

- Detects 0-40kV Line to Ground (0-69kV Phase to Phase)
- A Proximity or Direct Contact on Overhead and Underground Systems
- Easy to Read Analog Scale
- Detect Voltage from the Ground on Rare Overhead Lines when Hand Held
- Test Secondary Voltage on Bare or Insulated Cables
- The Detector Indicates Line to Ground Values for Nominal or Induced Voltages
- The 5 - Position Selector Switch is Calibrated for Height above Ground to Compensate for a Capacitive Coupling Effect
- Shielded to Minimize Stray Field Interference
- For Your Safety, the Detector Includes Overload Protection up to 500kV
- Internal Backlight available for Night Use, VDAL40P Model
- Water Resistant, and a Strong Construction Designed to Withstand Wear
- Contained in a Highly Durable Padded Carrying Case

For more expanded product information, please visit bierermeters.com

The VDAO40C is a Dual Application Analog Voltage Detector.

- Detects 0-40kV Line to Ground (0-69kV Phase to Phase)
- A Proximity or Direct Contact on Overhead and Underground Systems
- Easy to Read Analog Scale
- Test Secondary Voltage on Bare or Insulated Cables
- Test Capacitive Test Points
- The Detector Indicates Line to Ground Values for Nominal or Induced Voltages
- The 5 - Position Selector Switch is Calibrated for Height above Ground to Compensate for a Capacitive Coupling Effect
- Shielded to Minimize Stray Field Interference
- For Your Safety, the Detector Includes Overload Protection up to 500kV
- Internal Backlight available for Night Use, VDAL40C Model
- Water Resistant, and a Strong Construction Designed to Withstand Wear
- Contained in a Highly Durable Padded Carrying Case

For more expanded product information, please visit bierermeters.com
The VDAH450 is a Wide Range Transmission and Distribution Voltage Detector that comes standard with a Hold feature and Backlight.

- Widest and Highest Voltage Range Available in a Single Voltage Detector
- 2.4kV - 450kV Line to Ground (4kV - 765kV Phase to Phase) Voltage Range
- For Overhead and URD Applications
- Meter is Passive, Battery is Only Required for the Test Position
- A Linear/Logarithmic scale for Better Resolution from Distribution to Transmission Systems
- Meter is designed to Read Approximate Nominal or Induced Voltage Line to Ground
- Easy-to-Use Detector Requires no Voltage Scale Selectors or Multipliers
- Meter is Water Resistant and a Strong Construction to withstand Wear
- Meter is contained in a Durable Padded Case
- Model with the “H” suffix comes with the Hold and Backlight Feature

The VDAH300 is a Wide Range Transmission and Distribution Voltage Detector that comes standard with a Hold feature and Backlight.

- Widest and Highest Voltage Range Available in a Single Voltage Detector
- 2.4kV - 300kV Line to Ground (4kV - 500kV Phase to Phase) Voltage Range
- For Overhead and URD Applications
- Meter is Passive, Battery is Only Required for the Test Position
- A Linear/Logarithmic scale for Better Resolution from Distribution to Transmission Systems
- Meter is designed to Read Approximate Nominal or Induced Voltage Line to Ground
- Easy-to-Use Detector Requires no Voltage Scale Selectors or Multipliers
- Meter is Water Resistant and a Strong Construction to withstand Wear
- Meter is contained in a Durable Padded Case
- Model with the “H” suffix comes with the Hold and Backlight Feature

The VDAO450 is a Wide Range Transmission and Distribution Voltage Detector.

- Widest and Highest Voltage Range Available in a Single Voltage Detector
- 2.4kV - 450kV Line to Ground (4kV - 765kV Phase to Phase) Voltage Range
- For Overhead and URD Applications
- Meter is Passive, Battery is Only Required for the Test Position
- A Linear/Logarithmic scale for Better Resolution from Distribution to Transmission Systems
- Meter is designed to Read Approximate Nominal or Induced Voltage Line to Ground
- Easy-to-Use Detector Requires no Voltage Scale Selectors or Multipliers
- Meter is Water Resistant and a Strong Construction to withstand Wear
- Meter is contained in a Durable Padded Case
- Model with the “H” suffix comes with the Hold and Backlight Feature

The VDAO300 is a Wide Range Transmission and Distribution Voltage Detector.

- Widest and Highest Voltage Range Available in a Single Voltage Detector
- 2.4kV - 300kV Line to Ground (4kV - 500kV Phase to Phase) Voltage Range
- For Overhead and URD Applications
- Meter is Passive, Battery is Only Required for the Test Position
- A Linear/Logarithmic scale for Better Resolution from Distribution to Transmission Systems
- Meter is designed to Read Approximate Nominal or Induced Voltage Line to Ground
- Easy-to-Use Detector Requires no Voltage Scale Selectors or Multipliers
- Meter is Water Resistant and a Strong Construction to withstand Wear
- Meter is contained in a Durable Padded Case
- Model with the “H” suffix comes with the Hold and Backlight Feature

WIDE RANGE
Transmission and Distribution
For Overhead and URD Applications

Models with the “H” Suffix Come with the Hold and Backlight Features

For more expanded product information, please visit bierermeters.com
AV Meter™ Audible/Vision Voltage Indicator

The AV Meter is a Voltage Indicator with an Audible and Visual Alarm to indicate the presence of voltage, with an operating range from capacitive test points/secondary voltage to 289kV Line to Ground (500kV Phase to Phase). Activation thresholds meet ASTM Requirements.

- Extremely Economical and a Great Addition to any PPE Program
- Up to 12 available voltage settings that are completely customizable by the customer
- Meter Assembly is Over Voltage Protected
- Water Resistant
- Super Bright LEDs and Ultra Loud Horn Guarantees Operator Seeing & Hearing
- Built in Test Position is Standard for All Units
- Super Bright LEDs are Activated when the Line becomes De-Energized.
- Nominal 7.2kV – 20kV Systems Line to Ground.
- Operating Range from 240V to 300kV Line to Ground. Activation Threshold Meets ASTM Thresholds.
- Dual Application Design
- Audible/Visual Voltage Detector Detects 0 to 300kV Line to Ground (0 to 500kV Phase to Phase)
- In-Easy-to-See 360 Degree Light Array with a 112 Decibel Alarm
- A Proximity or Direct Contact Meter on Overhead or Underground Systems
- Meter can Detect Voltage from the Ground on Bare Overhead lines when Hand Held
- Test Capacitive Test Points and Secondary Voltage on Bare or Insulated Cables
- Detects Line to Ground Values for Nominal or Induced Voltages
- Water Resistant, and has a Strong Construction Designed to Withstand Wear
- Packaged in a Durable Bag

VIAV300™ Audible/Vision Detector 300kV

The VIAV300 is a Combination Proximity/Direct Contact Voltage Detector with an Audible Visual Alarm to Indicate the Presence of Voltage, with an Operating Range from 240V to 300kV Line to Ground. Activation Threshold Meets ASTM Thresholds.

- Dual Application Design
- Audible/Visual Voltage Detector Detects 0 to 300kV Line to Ground (0 to 500kV Phase to Phase)
- An Easy-to-See 360 Degree Light Array with a 112 Decibel Alarm
- A Proximity or Direct Contact Meter on Overhead or Underground Systems
- Meter can Detect Voltage from the Ground on Bare Overhead lines when Hand Held
- Test Capacitive Test Points and Secondary Voltage on Bare or Insulated Cables
- Detects Line to Ground Values for Nominal or Induced Voltages
- Water Resistant, and has a Strong Construction Designed to Withstand Wear
- Packaged in a Durable Bag

VBI-15™ Voltage Break Indicator 15kV

The VBI-15 is a Direct Contact Voltage Break Indicator with an audible and visual alarm to indicate the absence of voltage, with an operating range from 7.2kV to 20kV (Line to Ground). The unit consists of an array of lights and an audible alarm to give the user a quick and clear indication that the overhead line has dropped below the threshold value of 2.5kV. The VBI-15 can be used by all forms of electrical entities: Investor owned utilities, municipalities, cooperatives, contractors, etc. to track outages by individual crews at their location on the system.

- VBI-15 Voltage Break Indicator is Activated when Voltage Levels Drop Below 2.5kV Line to Ground (4kV Phase to Phase)
- The VBI-15 is Used as a Silent Sentinel, the 112dB Horn and Array of Super Bright LED’s are Activated when the line becomes De-Energized.
- The Absence of Voltage Detector is Designed to be Used on Single Phase Nominal 7.2kV – 20kV Systems Line to Ground.
- Overhead Protected to 115kV for Your Safety
- DAD and CADDI Ratings Improve by Quicker Outage Response Time
- Water Resistant for Inclement Weather Use
- Strong Construction Designed to Withstand Wear
- Packaged in a Durable Bag

RCDC1000™ Rail/Catenary Direct Current 1000V

The RCDC1000 Digital DC Resistive Voltmeter has a single range of 0 — 2kV. The unit consists of a meter probe, second probe and connector cable. This unit is designed to measure DC voltage between the negative return rail and overhead positive catenary conductor used on transit systems. The five position selector switch located on the face, controls OFF, ON, and Test. The OFF positions are for storage and transit. The ON position is for measurements from 0 to 1999 volts with one volt resolution. The T position tests basic meter functions and the digital display.

- A General Purpose 0 to 2kV DC Digital Voltmeter
- Designed to Confirm the Status of Electrical Systems
- Can be Used with Higher Currents than Hand-Held Models
- A Large Digital LCD Display has a Backlight for Easy Reading
- Both the Meter Probe and Secondary Probe have Threaded Ends Fittings
- The Unit Includes Three Adapters: a Hook Adapter, a Straight Adapter, and a Magnetic Track Adapter
- A 30-Foot Interconnecting Cable is also Included with other Cable Length Options Available
- Meter is Water Resistant and has a Strong Construction Designed to Withstand Wear
- Packaged in a Durable Bag

Customized Voltage Detectors!

Voltage ranges from Proximity to 765kV

We service and repair all of our meters as needed to ensure years of safe and accurate reliability ending the throw away scenario.

A Range of Low Impedance and High Impedance DC Meters are Available!
**ST500™ Service Tester 500 Amps**

The ST500PGN puts a high magnitude pulse between the neutral/hot leg or hot leg/hot leg for any secondary service (120V, 208, 277, 480V). It cannot be fooled by telephone and cable television bonding often missed by continuous loading devices.
- Identify bad conductor(s) from the transformer to the meter base
- Indicate integrity of neutral conductor to prevent excessive house ground currents
- Locate both hot legs and neutral at the pedestal and/or transformer blocks.
- Locate bad connectors on overhead spans
- Identify de-energized URD Primary cable in a manhole or ditch
- Feed IN/OUT on primary URD transformers, switches, and riser poles

**ST800™ Service Tester 800 Amps**

The ST800PGN puts a high magnitude pulse between the neutral/hot leg or hot leg/hot leg for any secondary service (120V, 208, 277, 480V). It cannot be fooled by telephone and cable television bonding often missed by continuous loading devices.
- Identify bad conductor(s) from the transformer to the meter base
- Indicate integrity of neutral conductor to prevent excessive house ground currents
- Locate both hot legs and neutral at the pedestal and/or transformer blocks.
- Locate bad connectors on overhead spans
- Identify de-energized URD Primary cable in a manhole or ditch
- Feed IN/OUT on primary URD transformers, switches, and riser poles

**DCI-50™ DC Pulser**

The DCI-50 is a direct current pulsating service tester & phase identifier. Each tester has a single On/Off toggle switch and five LED indicator lights for ease of use. The pulsating tool injects a DC current of 50 Amps into the circuit being tested. An STRCV receiver probe can be used for indicating signal strength, direction and positive cable identification. Patented methodology results in the most accurate and versatile secondary service tester & phase identifier available in the electric utility industry.

**DCI-100™ DC Pulser**

The DCI-100 is a direct current pulsating service tester & phase identifier. Each tester has a single On/Off toggle switch and five LED indicator lights for ease of use. The pulsating tool injects a DC current of 100 Amps into the circuit being tested. An STRCV receiver probe can be used for indicating signal strength, direction and positive cable identification. Patented methodology results in the most accurate and versatile secondary service tester & phase identifier available in the electric utility industry.
GT400HDXL™ Grounds Tester Heavy Duty Extra Length 400Amps
The GT400HDXL provides quality testing for personal protective grounding assemblies. The GT Series Grounding Assembly Testers are designed to provide integrity testing of the electrical characteristics of portable protective grounding assemblies. The GT Series Testers provide a reliable test by administering Rated ASTM Current through the grounding assembly and measuring the voltage drop across the assembly. The voltage drop in conjunction with a thorough visual inspection determines if the grounding assembly meets ASTM electrical specifications.
- Powered by Conventional 115VAC Outlet Rated at 20 Amps or Higher
- Transformer Allows ASTM Continuous Current to be Applied to Cable
- Compact and Easy to Read Reference Chart
- Optional Voltmeter (suffix VMA) Addition Allows for Troubleshooting Clamp and Ferrule Connections
- Easily Converts for Testing Elbows, Bushings, Mechanical Jumpers, Substation Clamps, Truck Grounds and Cluster Grounds

GT400HDXLVMA™ Grounds Tester Heavy Duty Extra Length 400Amps
The GT400HDXLVMA provides the same great features of the GT400HDXL but has the Voltmeter Addition (VMA), Which Allows for Troubleshooting Clamp and Ferrule Connections.
- Powered by Conventional 115VAC Outlet Rated at 20 Amps or Higher
- Transformer Allows ASTM Continuous Current to be Applied to Cable
- Compact and Easy to Read Reference Chart
- Optional Voltmeter (suffix VMA) Addition Allows for Troubleshooting Clamp and Ferrule Connections
- Easily Converts for Testing Elbows, Bushings, Mechanical Jumpers, Substation Clamps, Truck Grounds and Cluster Grounds

GT600VMA™ Grounds Tester Volt Meter Addition 600Amps
The GT600VMA provide quality testing for personal protective grounding assemblies. The GT Series Grounding Assembly Testers are designed to provide integrity testing of the electrical characteristics of portable protective grounding assemblies. The GT Series Testers provide a reliable test by administering Rated ASTM Current through the grounding assembly and measuring the voltage drop across the assembly. The voltage drop in conjunction with a thorough visual inspection determines if the grounding assembly meets ASTM electrical specifications.
- Powered by Conventional 115VAC Outlet Rated at 20 Amps or Higher
- Transformer Allows ASTM Continuous Current to be Applied to Cable
- Compact and Easy to Read Reference Chart
- Optional Voltmeter Allows for Checking Clamp and Ferrule Connections
- Easily Converts for Testing Elbows, Bushings, Mechanical Jumpers, Substation Clamps, Truck Grounds and Cluster Grounds

GRT1000 Ground Resistance Tester 1000 Ohms
The GRT1000 is a major breakthrough for a traditional ground resistance tester. It is widely needed in the power, telecommunications, meteorology, oilfield, construction, industrial and electrical utility industry. For a loop grounding system, the operator can measure the ground resistance and test for continuity without having to break down the grounding wire, or use auxiliary electrodes (sometimes referred to as “stakes”). The clamp head is specially designed to reduce calibration errors by increasing the clamp pressure and the robust design of the transformers. It is safe, fast and simple to use!

GRT1000A Ground Resistance Tester 1000 Ohms
The same great features as the GRT1000 but with the additional feature of being able to read unwanted grounding currents up to 15 Amps!
3 Phase ID Transmitter™

The 3 Phase ID Transmitter is designed to identify up to three shielded conductors before and after the center conductor is exposed while maintaining single or multiple ground connections. This unique tool features a transmitter module that produces three different signals and they passive receiver consisting of a current transformer with an audible/visual handheld display to indicate the correct phase conductors. This device will significantly reduce previously needed coordination resulting in time savings and eliminates safety concerns by maintaining ground connections during the entire process. The transmitter module is powered by two Milwaukee lithium ion M18 batteries and incorporates cam lock connectors to quickly interface different attachments such as C style, ball socket, alligator and 15 KV elbows clamps.

Choose one of the following cable options for your kit.

- Alligator Clip Cable Option
- Ball Socket Cable Option
- "C" Clamp Cable Option
- Elbow Cable Option

Safety is Number One

PD50 in Action

Completely Shielded Interconnect Cable (Insulated 35kV to Ground), that Does NOT Have to be Held Off of Grounded Live Objects for Fear of Shock or Interfering with the Reading
### Metering Accessories

- **8128TBALB7S 35KV Bushing Adapter**
- **8128TEALB 15-25KV Bushing Adapter**
- **8128TBALB Elbow Adapter**
- **81280FG Ground Clamp Adapter**
- **81280LHM Hook Probe Adapter**
- **81280LPM Straight Probe Adapter**
- **PA165UGA Plastic Universal Grip-All**
- **3403 Universal Grip-All**

### Metering Accessories (Cont.)

- **10022CHL 22” Handle**
- **10022HHSL 24” Extension Handle**
- **81280IE 50M High Voltage Adapter**
- **81280LHM Hook Probe Adapter**
- **PA25PSA Phase Sequence Adapter**
- **PA25LVA Low Voltage Probe Adapter**
- **81280LPM Straight Probe Adapter**
- **PA50DCHP**
- **81280TBA Elbow Adapter**
- **81280FGB Ground Clamp Adapter**
- **81280LPM Straight Probe Adapter**
- **81280LPM Ground Clamp Adapter**
- **100009CHM 10” Handle**
- **PD800SH2 24” Shepherds Hook**
- **PA100P 100V Probe Stick Adapter**
- **Large Soft Bag**
- **3402 Shotgun Stick Adapter**
Safety is Number One

VD1000P in Action
Tests for Relative Proximity Voltage Detection. Closer to the Voltage Source and Higher the Voltage Yields a Higher Reading.

We Calibrate and Repair Our Meters.
Maximizing longevity and safety of your investment with the Bierer product line of high voltage test equipment, is of utmost importance to us. Strong commitment to our Customers and standing behind what we build is a standard. One year warranty on parts and labor with every meter and sustaining support thereafter.

Bierer and Associates further certifies the measurement standards and instruments used during the calibration of this product are traceable to the United States National Institute of Standard and Technology (NIST). At planned intervals, Bierer and Associates measurement standards are calibrated by comparison to or measured against the standards of NIST.

Bierer and Associates certifies that your product is calibrated and or repaired in accordance with applicable calibration procedures during the repair process. These processes are controlled and designed to assure that the instrument will meet its published specification.
ST400 Pneumatic staple gun

STOCK-ade ST-400 9ga barbed staples are extra heavy-duty and ideal for utility ground wire installations. Manufactured from heavy coat class 3 Bezinal® 2000 wire, ST-400 staples offer exceptional durability when fixed to copper wire.

- Better protect your copper wire by placing staples closer together making it harder to remove.
- Help maintain system reliability by more firmly attaching system grounds.
- Help protect linemen from injury by preventing busted fingers and flying staples that occur through traditional hammering.

NEW PRODUCTS

Enables best practices for staple placement, frequency and consistency.

Announcing the STOCK-ade Stapler Line by Bierer

ST400 Pneumatic staple gun
ST315i Electric over gas staple gun

ST400 pneumatic staple gun

ST400 pneumatic staple gun and the ST315i electric over gas staple gun feature numerous benefits.

ST315i Electric over gas staple gun

Introducing the new STOCK-ade Impulse ST-315i Stapler, with all the rugged reliability of its predecessor, the Pneumatic ST-315, but with the freedom to go anywhere.

- Impulse Battery Technology
- Lightweight Design
- Hose Free for Remote Use
- Suitable for 1¼” Length Staples
- Suitable for 10½ Gauge Staples
- Staple Wire V Notch Guide
- Adjustable Depth of Drive Applications
- Rural Utilities Applications
- Ground Wire Installation

ST250 1.25”; 12g
ST315 1.5”; 10.5g or 1.25”; 10.5g
ST400 2”; 9g or 1.75”; 9g

ST400 Pneumatic staple gun
ST315i Electric over gas staple gun

For more expanded product information, please visit bierermeters.com
Pole Guards

Features:
Class 5 rating
- Rated max use voltage of 48.3kV guarded phase to guarded phase or 27kV phase to ground.
- Allows use for applications up to 46kV system voltage

High Density Polyethylene:
- Completely recyclable HDPE material
- Excellent chemical resistance properties
- Superior electrical insulation properties
- Excellent cold and hot weather properties

Application:
- Highly visible orange pole guard covers are used to protect workers from accidental contact with a bare conductor when setting or removing poles in an energized work area. They can also be used to cover poles when performing energized maintenance in an insulated bucket, pole platform or hot sticking.
- Available in 2ft, 4ft and 6ft lengths, with or without Velcro Binding Strap

Bushing Guards

Same Features as our Pole Guards

Application:
- Transformer Primary Bushing Guards magnetically attach to the outer edge of the top of Overhead Transformers to protect workers from accidental Primary Voltage contact while working on secondary conductors.
- Great addition to the Linemen’s PPE program
- Available in 12”, 18” and 24” radius widths, all at 24” height

Highly Visible Protection!

Prevents accidental contact with a bare conductor when setting or removing poles in an energized work area

Genuine Bierer Quality is Built in.

We manufacture all Jumper and Grounding Assemblies in house using the finest quality Bierer components, all made in the USA.

Bierer assembles any required length or configuration Grounding cable in either a clear and yellow jacket with sizes ranging from #2 to 350MCM.
We also provide Jumper assemblies with sizes ranging from #2 to 4/0 and insulation ratings from 15kV to 35kV.

All assemblies are made in-house and meet or exceed ASTM specifications. Bierer can also provide, upon request, a continuous current final test result of each assembly by using our GT400HDXL Grounds Tester (page 16). The GT400HDXL is the only tester that can meet ASTM standard F2249-03. Please contact us for any questions.

Bierer assembles any required length or configuration Grounding cable in either a clear and yellow jacket with sizes ranging from #2 to 350MCM.
We also provide Jumper assemblies with sizes ranging from #2 to 4/0 and insulation ratings from 15kV to 35kV.

Genuine Bierer Quality is Built in.

We manufacture all Jumper and Grounding Assemblies in house using the finest quality Bierer components, all made in the USA.

Bierer assembles any required length or configuration Grounding cable in either a clear and yellow jacket with sizes ranging from #2 to 350MCM.
We also provide Jumper assemblies with sizes ranging from #2 to 4/0 and insulation ratings from 15kV to 35kV.

All assemblies are made in-house and meet or exceed ASTM specifications. Bierer can also provide, upon request, a continuous current final test result of each assembly by using our GT400HDXL Grounds Tester (page 16). The GT400HDXL is the only tester that can meet ASTM standard F2249-03. Please contact us for any questions.

Bierer assembles any required length or configuration Grounding cable in either a clear and yellow jacket with sizes ranging from #2 to 350MCM.
We also provide Jumper assemblies with sizes ranging from #2 to 4/0 and insulation ratings from 15kV to 35kV.

All assemblies are made in-house and meet or exceed ASTM specifications. Bierer can also provide, upon request, a continuous current final test result of each assembly by using our GT400HDXL Grounds Tester (page 16). The GT400HDXL is the only tester that can meet ASTM standard F2249-03. Please contact us for any questions.
Jumper / Grounding Cable

15/35kV Jumper Cables are manufactured with flexible stranded copper conductors wrapped in semi conductive tape shielding to relieve voltage stress and improve dielectric strength. Material is soft drawn electrolytic copper meeting ASTM class B-33 to offer excellent durability and flexibility under extreme operating conditions. A dual pass orange over yellow safety insulator has a temperature rating of -56ºF to 194ºF. The insulating material is composed of a thermo rubber compound and is designed to withstand abrasion, temperature extremes, and submersion in water, oil, or acid. Cable exceeds ASTM D752 and tested to ASTM D470 and ASTM F2221.

Copper Grounding Cable is available in yellow and clear, sizes #2, 1/0, 2/0 and 4/0, it is extra flexible for handling ease yet strong and tough for long wear. Jacketing is smooth, abrasion, weather and oil resistant in accordance with applicable ASTM Specifications, marked with AWG size approximately every 4 feet. Yellow jacketed cables have a recommended low temperature rating of -20ºF while the Clear jacketed cable low recommended temperature rating is 0ºF. All grounding cables meet ASTM F 855.

Custom Grounding Assemblies

Jumper / Grounding Clamps

Complete sets or individual components are available for Substation, Distribution and Transmission applications. All clamps meet ASTM F 855.
Jumper / Grounding Ferrules

Shrouded Ferrules overlap onto the grounding cable jacket for stress relief to the terminal. Two crimps secure the ferrule against the bare strands and one crimp applies on the jacket.

Un-Shrouded Ferrules do not overlap the grounding cable jacket. Both shrouded and un-shrouded ferrules are available as plugged or threaded, factory installed or available as separate individual units. All ferrules meet ASTM F 855.

Bierer can plate any shrouded or un-shrouded ferrules upon request

<table>
<thead>
<tr>
<th>Shrouded Plug</th>
<th>ST Shrouded Threaded</th>
<th>UP Unshrouded Plug</th>
<th>UT Unshrouded Threaded</th>
<th>UTP Unshrouded Threaded Plated</th>
<th>UPP Unshrouded Plug Plated</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPP Shrouded Plug Plated</td>
<td>BBF Bushing Ferrule</td>
<td>BEF Elbow Ferrule</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>N2UP</th>
<th>N2UT</th>
<th>N2SP</th>
<th>N2ST</th>
</tr>
</thead>
<tbody>
<tr>
<td>N2UP</td>
<td>110UP</td>
<td>110UT</td>
<td>110SP</td>
</tr>
<tr>
<td>210UP</td>
<td>210UT</td>
<td>210SP</td>
<td>210ST</td>
</tr>
<tr>
<td>410UP</td>
<td>410UT</td>
<td>410SP</td>
<td>410ST</td>
</tr>
<tr>
<td>350 MCMUT 5/8” and 3/4” available</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For more expanded product information, please visit bierermeters.com

Grounding Accessories

BGB115 Bushing Ground Kit
Available in 1/0, 2/0, 15KV and 25KV

BGE115 Elbow Kit
Available in 1/0, 2/0, 15KV and 25KV

BSBH14 Interchangeable Brush Handle

BBS6 Ball Stud Bronze 6” w/1/2” Threads

BTS6 Truck Stud Bronze 6” w/5/8” Threads

BOTH5 6” Segment; 1.1” Clear Heat Shrink

BOTH5 25’ Roll; 1.1” Clear Heat Shrink

BLGB Large Grounding Bag 15”X10”X27”

BSCGB24 24” Side Carry Grounding Bag

For more expanded product information, please visit bierermeters.com
Safety is number one.

Bierer Meters

Made in the USA

For more expanded product information, please visit bierermeters.com

Bierer products are manufactured under the following U.S. patents:

5,950,954
6,275,022
6,458,252
6,617,840
6,734,563
6,753,678
7,109,689
7,336,063
7,808,228
8,283,910
8,283,911
8,760,150

And other patents pending.