

Family Owned and Operated
Since 1987



BiererMeters.com



Lineworker Safety Tool Competance Workshop

What Bierer Does



Bierer
METERS
Family Owned and Operated
Since 1987

Lineman Proven Safe Dependable and Tough



Bierer Meters – Family owned and operated USA made manufacturer since 1987. Producing lineman proven, safe, dependable, and durable Phasing and Voltage Meters, Secondary Testers, Cable Identification Tools, Grounds Testers, Phasing Id Devices, Hi-Pot Tools, Custom Temporary Protective Grounds, Jumpers, and Pole Guards. Bierer USA – Utility Support Assistance, includes professional Customer Service, Technical Support, Repair and Calibration Department, Live Line Conference Training, On-Site Field Training, Safety and Tool Conference Presentations, and our industry exclusive 30 Day Tool Trial. To request a tool trial please contact customer_service@bierermeters.com

**Serving Electrical Utilities
and Contractors**

Bierer
METERS
Family Owned and Operated
Since 1987



**Subscribe to Bierer Meters YouTube
channel to enhance your Safety and
Tool Training Programs**

803-786-4839



BiererMeters.com

ALL PURPOSE

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 PD10 and PD35 versions.

PD25[®] Phasing Digital Meter 25kV

- Completely Shielded Interconnect Cable (Insulated 35kV to Ground), that Does NOT 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. Insulated to 35kV
- Patented Input Circuitry
- The Most Accurate High Voltage Meter Available, with Accuracy to +/- 1% true RMS voltage
- 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 Cotton Bag
- Extension Resistors Available for Voltages up to 75kV
- One Year Warranty on Parts and Labor

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*

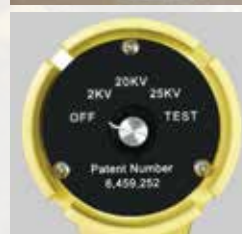
*Optional Adapter Required



Bierer PD 25/50
Training Video



Patented Technology



PD25 Switch Positions



Bushing Adapter



Zero Ohm Extension

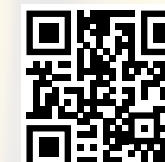
PD50[®] Phasing Digital Meter 50kV

- Completely Shielded Interconnect Cable (Insulated 35kV to Ground), that Does NOT 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. Insulated to 35kV
- Patented Input Circuitry
- The Most Accurate High Voltage Meter Available, with Accuracy to +/- 1% true RMS voltage
- 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 Cotton Bag
- Extension Resistors Available for Voltages up to 100kV
- One Year Warranty on Parts and Labor

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



Bierer PD 25/50
Training Video



Cable Accessories

- A = Standard 8 Foot Cable
- B = Standard 8 Foot Extension
- C = Standard 3 Foot Cable
- D = Standard 30 Foot Cable



Patented Technology



PD50 Switch Positions



Phase Sequence Adaptor



Hi-Pot Adaptor



3KV Power Supply

The 3KV Power Supply is a live known voltage source used to determine if a Voltage Indicator, Voltage Detector or Phasing Meter operates properly in the presence or in direct contact with a voltage source. For safety purposes and part of ASTM: F1796 Testing Capacitive Type High Voltage Detectors, Bierer always recommends the operator check for proper operation of their detection device before and after each use.



PD800W® Phasing/Voltage Digital Wireless Meter

The **PD800W®** Cordless Phasing Meter 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
- 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
- One Year Warranty on Parts and Labor
- URD and OH Voltage Detector to 51kV



Patented Technology



Bierer PD800W
Training Video



Dual Phase Power Supply

Bierer introduces our Dual-Phase Power Supply for performing a live known voltage source 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.



Phasing Ranger 2™ GPS Phasing Tool

The **Phasing Ranger 2** 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. The only tool available to display Nominal Voltage, Phase Sequence, Phase and Phase ID in one move by the Lineman.

- 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
- One Year Warranty on Parts and Labor



Bierer Phasing Ranger
Training Video



Patented Technology



Field Unit



Base Unit

The **Phasing Ranger 2™** is compatible with the **PD800W Phasing Set** and greatly enhances “**Smart Grid Technology**” and positively identifies the phase angle of each particular line over a large area through use of wireless technology.



HP72™ Hi-Pot Meter

Bierer's Hi-Pot Meter is designed to perform a preliminary milliamp leakage test on URD cable. The meter operates on two distribution voltage ranges: 7.2kV and test phase to ground. There are two selector toggle switches on meter, one on the back and one on the side of the meter housing. The toggle on the back allows the user to select between 7.2kV and test. The selector switch located on the side allows the user to test the meter before and after operation and also turn on an LED back light for low light work conditions.

- Small and Lightweight
- Clear Analog Indication of "Good" or "Bad" Cable
- Much Safer Because Operator No Longer Has to Daisy Chain Primary
- One Year Warranty on Parts and Labor



81280 Analog Phasing/Voltage Meter 25kV

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
- One Year Warranty on Parts and Labor
- HiPot Capable with HiPot Adapter
- De-Energized Capacitors



HP72DCXL™ Hi-Pot Meter

The HI POT DEVICE is designed to HI POT de-energized 15kV class cables. The tool transforms the 18VDC Industrial Grade battery platform 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 Cable Leakage based on a Linear Percentage
- Linear Percentage Scale to Leakage Current is 100% = 1 milliamp, 50% = 500 microamps, 0% = No Leakage
- Much Safer Because Operator No Longer Has to Daisy Chain Primary
- No Primary Voltage Required
- One Year Warranty on Parts and Labor
- Operates on a Milwaukee battery, Makita option available by request



83280 Analog Phasing/Voltage Meter 35kV

The **83280** 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 35kV Voltage Detector without the Second Probe
- A Conventional 35kV 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
- One Year Warranty on Parts and Labor
- HiPot Capable with HiPot Adapter
- De-Energized Capacitors



HP72DCXL Battery
Operated Hi-Pot Tool



81280/83280
Training Video



3kV Power Supply

The 3kV Power Supply is a live known voltage source used to determine if a Voltage Indicator, Voltage Detector or Phasing Meter operates properly in the presence or in direct contact with a voltage source. For safety purposes and part of ASTM: F1796 Testing Capacitive Type High Voltage Detectors, Bierer always recommends the operator check for proper operation of their detection device before and after each use.



VD1000™ Voltage Detector 1000kV

The **VD1000** Digital Voltage Detector is designed for easily indicating AC voltage on Underground primary, Over head 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
- 0-99.9 kV URD, 0-99.9 kV OH, 0-999kV OHT.
- 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
- One Year Warranty on Parts and Labor



[Bierer VD1000 Training Video](#)

VD1000P™ Voltage Detector 1000kV

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
- 0-99.9 kV URD, 0-99.9 kV OH, 0-999 kV OHT, 0-99.9 Prox
- 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
- One Year Warranty on Parts and Labor
- Proximity Non-Contact Test Function



[Bierer VD1000P Training Video](#)

VD1000T™ Voltage Detector 1000kV

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 Elbows.

- Large LED Display with Sunshield
- Bright LED Segment and Battery Test
- Standard 9 Volt Battery
- Water Resistant and Strong Construction Designed to Withstand Wear
- 0-99.9 kV URD, 0-99.9 kV OH, 0-999kV OHT, 0-99.9 kV CTP
- 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
- One Year Warranty on Parts and Labor
- Capacitive Test Point Function



[Bierer VD1000T Training Video](#)



[Bierer VD1000X Training Video](#)

VD1000X™ Voltage Detector 1000kV

The **VD1000X** Digital Voltage Detector has the same great features as the VD1000, but has a X position added to test for Secondary Voltage Detection. Closer to the Voltage Source and Higher the Voltage yields a higher reading.

- X is Secondary Voltage Test Position
- Large LED Display with Sunshield
- Bright LED Segment and Battery Test
- Standard 9 Volt Battery
- Water Resistant and Strong Construction Designed to Withstand Wear
- 0-99.9 kV URD, 0-99.9 kV OH, 0-999 kV OHT, 0-999 kV SEC
- 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
- One Year Warranty on Parts and Labor
- Proximity Non-Contact Test Function

AVD1000 Voltage Detector 1000kV

The **AVD1000** Digital Voltage Detector is designed for easily indicating AC voltage on Underground primary, Over head 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.

- Custom selectable voltage potentials per utility request
- Custom programmable audible alarm per selected voltage
- Large LED Display with Sunshield
- Bright LED Segment and Battery Test
- Standard 9 Volt Battery
- Water Resistant and Strong Construction Designed to Withstand Wear
- 0-99.9 kV URD, 0-99.9 kV OH, 0-999kV OHT, 0-999V SEC, 0-99.9 PROX
- 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
- One Year Warranty on Parts and Labor



Hand Held Power Supply

Hand Held Power Supply is a safe low power, compact, lightweight, live known voltage source which tests any high voltage single point potential tester.



[Hand Held Power Supply Training Video](#)



[Arc Flash Mitigation Zero Ohm Extension](#)



Bushing Adapter



Zero Ohm Extension



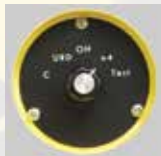


Bierer VDA040C
Training Video

VDA040C™ Analog Voltage Detector 40kV

The **VDA040C** is a Dual Application Analog Voltage Detector.

- Detects 0-40kV Line to Ground (0-69kV Phase to Phase)
- 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, VDA040C Model
- Water Resistant, and a Strong Construction Designed to Withstand Wear
- Contained in a Highly Durable Padded Carrying Case
- One Year Warranty on Parts and Labor



VDA040P™ Analog Voltage Detector 40kV

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 Bare 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
- Shielded to Minimize Stray Field Interference
- For Your Safety, the Detector Includes Overload Protection up to 500kV
- Internal Backlight available for Night Use, VDA040P Model
- Water Resistant, and a Strong Construction Designed to Withstand Wear
- Contained in a Highly Durable Padded Carrying Case
- One Year Warranty on Parts and Labor



Bierer VDA040P
Training Video



Bushing Adapter

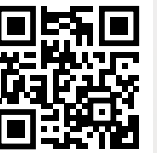


Zero Ohm Extension



WIDE RANGE

Transmission and Distribution For Overhead and URD Applications Models with the "H" Suffix Come with the Hold and Backlight Features



Bierer
VDA0300/450
Training Video

VDA0300™ Analog Voltage Detector 300kV

The **VDA0300** is a Wide Range Transmission and Distribution Voltage Detector.

- Widest and Highest Voltage Range Available in a Single Analog 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
- One Year Warranty on Parts and Labor



Patented Technology

VDA0450™ Analog Voltage Detector 450kV

The **VDA0450** is a Wide Range Transmission and Distribution Voltage Detector.

- Widest and Highest Voltage Range Available in a Single Analog 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
- One Year Warranty on Parts and Labor



Patented Technology



Bierer Lineworker
Safety Tool
Competence
Workshop at DTE
Safety Conference
9-2022

VDAL300 and VDAH450 models have Backlight Feature



VDAH300™ Analog Voltage Detector 300kV

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 Analog 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
- One Year Warranty on Parts and Labor



[Bierer
VDAH300/450
Training Video](#)



Patented Technology



Patented Technology

VDAH450™ Analog Voltage Detector 450kV

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 Analog 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
- One Year Warranty on Parts and Labor



International Line Builders hosting a Stand Up Safety Conference with Michels Power, PAR Electrical, and PG&E learning the Bierer Lineworker Safety Tool Competence Workshop, Session 1



CPS Energy 3.2024 listening in on our industry exclusive Lineworker Safety Tool Competence Workshop, Session 3 with Joe Bierer

AV40DC Meter™ Audible/Visual Voltage Indicator

The **AV40DC 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 meets ASTM Requirements.

- Extremely Economical and a Great Addition to any PPE Program
- Up to 10 common voltage settings that are completely customizable by the customer
- Meter Assembly is Over Voltage Protected
- Incidental Direct Contact Will Not Damage the Unit
- Water Resistant
- Super Bright LEDs and Ultra Loud Horn Guarantees Operator Seeing & Hearing Unit
- Built in Test Position is Standard for All Units
- May also be Used as a Direct Contact Voltage Detector
- Standard Universal/Grip All Adapter is Included with Every Unit
- Packaged in a Durable Bag
- One Year Warranty on Parts and Labor



[Bierer AV40DC
Training Video](#)



[Bierer AV40
Training Video](#)



AV40 Meter™ Audible/Visual Voltage Indicator

The **AV40 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 meets ASTM Requirements.

- Extremely Economical and a Great Addition to any PPE Program
- 10 common voltage settings
- Meter Assembly is Over Voltage Protected
- Incidental Direct Contact Will Not Damage the Unit
- Water Resistant
- Super Bright LEDs and Ultra Loud Horn Guarantees Operator Seeing & Hearing Unit
- Built in Test Position is Standard for All Units
- May also be Used as a Direct Contact Voltage Detector
- Standard Universal/Grip All Adapter is Included with Every Unit
- Packaged in a Durable Bag
- One Year Warranty on Parts and Labor

AV300 Meter™ Audible/Visual Voltage Indicator

The **AV300 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 meets ASTM Requirements.

- Extremely Economical and a Great Addition to any PPE Program
- 10 common voltage settings
- Meter Assembly is Over Voltage Protected
- Incidental Direct Contact Will Not Damage the Unit
- Water Resistant
- Super Bright LEDs and Ultra Loud Horn Guarantees Operator Seeing & Hearing Unit
- Built in Test Position is Standard for All Units
- May also be Used as a Direct Contact Voltage Detector
- Standard Universal/Grip All Adapter is Included with Every Unit
- Packaged in a Durable Bag



[Bierer AV300
Training Video](#)



Hand Held Power Supply

Hand Held Power Supply is a safe low power, compact, lightweight, live known voltage source which tests any high voltage single point potential tester.



El Paso Electric Company March 2024: Session 3: Lineworker Safety Tool Competence Workshop



[Hand Held Power Supply Training Video](#)

3KV Power Supply

The **3kV Power Supply** is a live known voltage source used to determine if a Voltage Indicator, Voltage Detector or Phasing Meter operates properly in the presence or in direct contact with a voltage source. For safety purposes and part of ASTM: F1796 Testing Capacitive Type High Voltage Detectors, Birer always recommends the operator check for proper operation of their detection device before and after each use.

- Safe, low power, compact, light weight, high voltage power supply to test any High Voltage single point Potential Tester.
- Powered by a Milwaukee 18v Battery.



[3KV Power Supply Training Video](#)

Dual Phase Power Supply

Bierer introduces our Dual-Phase Power Supply for performing a live known voltage source 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, Birer always recommends the operator check for proper operation of their phasing device before and after each use.



TRICO Electric Cooperative getting in on Birer's Lineworker Safety Tool Competence Workshop 1-2023 near Tucson AZ



[Dual Phase Power Supply Training Video](#)



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 2.4kV 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 1200V. 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 1200V Line to Ground (2kV 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 2.4kV – 20kV Systems Line to Ground.
- Overload Protected to 115kV for Your Safety
- SAIDI and CAIDI Ratings Improve by Quicker Outage Response Time
- Water Resistant for Inclement Weather Use
- Strong Construction Designed to Withstand Wear
- Packaged in a Durable Bag
- One Year Warranty on Parts and Labor



[Bierer VBI-15 Training Video](#)



[Bierer RCDC Training Video](#)



- Meter is Water Resistant and has a Strong Construction Designed to Withstand Wear
- Packaged in a Durable Bag
- One Year Warranty on Parts and Labor

RCDC™ Rail/Catenary Direct Current Meter 1000V

The **RCDC1000** Digital DC Resistive Voltmeter has a single range of 0 – 1999V. 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 1999V DC Digital Voltmeter
- Designed to Confirm the Status of Electrical Systems
- Can be Used with Higher Currents than Hand-Held Models
- A Large Digital LED Display
- Both the Meter Probe and Secondary Probe have Threaded End 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 in 3 foot and 10 foot



Arizona Public Service enjoying an important LWTCW 2-2023 on a cold AZ morning indoors



Bierer's LSTCW arrives at Georgia Power's Line Crews 3-2023



ST500™ Service Tester 500 Amps

The **ST500** 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 or Energized URD Primary Cable in a Manhole or Ditch if Secondary Power is Present
- Identify Energized Feed In/Out on Primary URD Transformers, Switches and Riser Poles if Secondary Power is Present
- One Year Warranty on Parts and Labor
- Shown with ST8SC - standard Small Clamps



Patented Technology

SPIDK™ SPID Single Phase Identifying Device

- The Bierer SPID is a direct current pulsing cable identifier
- SPID has a On/Off switch and five LED indicator lights for ease of use
- The SPID injects a DC high current pulse into cable being tested
- Optional DAVR Receiver with CT Clamp, or the ACDM Receiver with CT Clamp (add attached photos for visual referencing)
- The Receiver picks up the DC pulse, indicates signal strength, direction, and positive cable identification
- Patented methodology results in the absolute most accurate and versatile de-energized primary cable phase identifier available



ST800™ Service Tester 800 Amps

The **ST800** 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 or Energized URD Primary Cable in a Manhole or Ditch if Secondary Power is Present
- Identify Energized Feed In/Out on Primary URD Transformers, Switches and Riser Poles if Secondary Power is Present
- One Year Warranty on Parts and Labor
- ST800 comes standard with Small Clamps



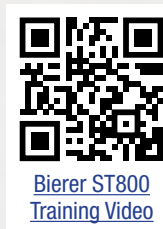
ST800PGN Kit



ST8LC – Large Clamps Option



ST8SC – Small Clamps Option



Bierer ST800
Training Video



ST800 in a Cotton Bag



Bierer Meters gives at absolutely no cost our LSTC Workshop to Hydro One in Toronto Canada, September 2019



SPID Elbow Clamp Adaptor
Part No. ECA option



3 Phase Identification TPID™

The 3-Phase ID Transmitter is designed to pulse and identify up to three shielded or unshielded conductors before or after the cable is cut or exposed while maintaining single or multiple ground connections. This unique tool features a transmitter module that produces three different high current, low voltage signals, clearly indicating each phase. The DAVR, Digital Audible Visual Receiver, a self-powered robust handheld receiver or the ACDM, Analog Current Directional Meter, a handheld passive receiver, indicates the correct phase conductors for positive phase identification throughout the network. 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 18VDC industrial grade lithium-ion rechargeable batteries for all-day use. Birer incorporates their own exclusive cam lock connectors to the transmitter for quick and easy interfacing using color coordinated connections and other exclusive Birer adapter options including C-clamps, flat clamps, grounding elbows and more.

- Cable kits are customizable upon request



[Birer TPID Training Video](#)

Choose one of the following cable options for your kit.



Alligator Clamp Cable Kit
"Part No. ACCK
8' alligator clamp cables



C-Clamp Cable Kit
"Part No. CCKK
8' 3/4" c-clamp cables



Ball Stud Cable Kit
"Part No. BSCK
8' ball stud adapter cables



15kV Elbow Cable Kit
"Part No. 15ECK
8' 15kV elbow cables, 25ECK also available"

GT400-2™ Grounds Tester 400Amps

The **GT400-2** 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 for Checking Clamp and Ferrule Connections
- Easily Converts for Testing Elbows, Bushings, Mechanical Jumpers, Substation Clamps, Truck Grounds and Cluster Grounds
- One Year Warranty on Parts and Labor



[Birer GT 400/600 Training Video](#)

GT600-2™ Grounds Tester 600Amps

The **GT600-2** 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 for Checking Clamp and Ferrule Connections
- Easily Converts for Testing Elbows, Bushings, Mechanical Jumpers, Substation Clamps, Truck Grounds and Cluster Grounds
- One Year Warranty on Parts and Labor



CPS Energy taking a hands on Session 3 of the Birer LSTC all day Workshop



Meter Accessories



8128TBALB75 35KV Bushing Adapter



8128TBALB 15-25KV Bushing Adapter



81280LPM Straight Probe Adapter



81280LHM Hook Probe Adapter



81280LPM6 Long Straight Probe Adapter



APTHP Pig Tail Adapter



PA25LVA Low Voltage Probe Adapter



LVPBNA Short Straight Probe Adapter



PA165UGA Plastic Universal Grip-All



3403 Universal Grip-All

Meter Accessories (Cont.)



3402 Shotgun Stick Adapter



81280IE Zero Ohm Extension Adapter



81280ER 50M Ohm Extension Resistor Adapter



PA50DCHP Hi-Pot Adapter



PA100P 100V DC Power Supply



81280FG Ground Clamp Adapter



PA25PSA Phase Sequence Adapter



8128TEALB Elbow Adapter



RAZO 90 Degree Zero Ohm Extension



PD800SH2 24" Shepherds Hook

Also Available
in 48"



Meter Accessories (Cont.)



10009CHM 10" Handle



10022HHSL 24" Extension Handle



10022CHL 24" Handle



CBS Small Canvas Bag



CBL Large Canvas Bag



Small Cotton
Bag COBS



Large Cotton
Bag COBL



23" Box
with Foam
B23



28" Box
with Foam
B28



BSW Small Waterproof Case



BLW Large Waterproof Case

Bierer Repairs and Calibrates Our Meters

Maximizing longevity and safety of your investment with the Bierer Meters 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 Meters 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 Meters 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.



Bierer Meters Pole Guards

Features:

Class 5 Rating

- ASTM F712 Class 5 Type 1 48.3kV Guarded Phase to Guarded Phase 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 4ft and 6ft lengths, with or without Velcro Binding Strap



6ft Pole Guard without Velcro Strap - BPG72



4ft Pole Guard with Velcro Strap - BPG48S



[Bierer Pole Guard Training Video](#)



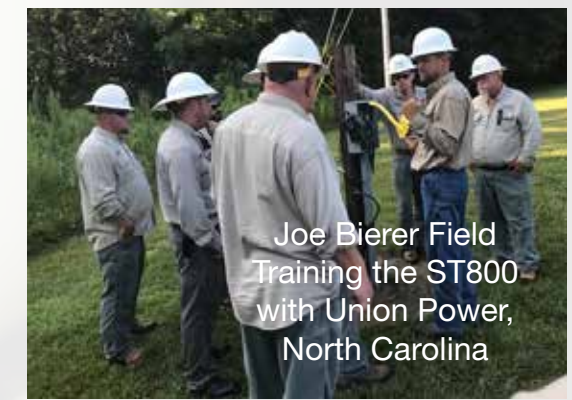
PG&E 4.2024 Bierer's Lineworker Safety Tool Competence Workshop, Session 3



Bierer Meters with SCE 5-2024, sharing our LSTCW Session 1



The Bierer Meters crew works diligently in establishing supportive and professional relationships with our Customers. We ensure our Made in the USA products' performance, technical assistance, and most importantly Safety. Bierer USA is our no cost industry exclusive services, including Real Time Technical and Customer Service Support, Field Training, Tool and Work Methods Meetings, along with our unique Lineworker Safety Tool Competence Workshop, an all day experience which your Line Team custom tailored to fit your organization's training objectives. Email SafetyTraining@BiererMeters.com for our LSTCW Curriculum.



[Bierer Meters YouTube Channel](#)



[Bierer ECOS Website](#)



Electric Culture Of Safety, ECOS consists of a national grassroots partnership throughout the Electric Power Industry, the best of the very best companies, and people freely giving back to our most excellent trade. Unifying together fostering Line Team, sharing Knowledge, Experience, Time, Talent, and their stories, all for the common goal of ensuring that our Heroes of Light return home to their Family Crews, once task complete. Partner up with ECOS' 14,000+ Line Team, at ElectricCultureOfSafety.com or email SafetyTraining@BiererMeters.com. Together we are changing our Electric Culture Of Safety.



Bierer Temporary Protective Grounds and Mechanical Jumpers

Bierer custom builds all Temporary Protective Grounds and Mechanical Jumper assemblies, using the finest, strongest, high current tested, and Made in the USA Bierer components

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



Made to order Jumper Assemblies

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 Grounds Tester (page 19). The Grounds Tester is the only tester that can meet ASTM standard F2249-03. Please contact us for any questions.



[Bierer TPG Safety Training Video](#)

Bierer Temporary Protective Grounds

Bierer Temporary Protective Grounds are custom assembled per customer's specifications, in our SC factory in all lengths, sizes, and configurations. Components can be purchased separately, or custom assembled per your specifications. Bierer utilizes the most superior assembly methods possible, industry wide. Bierer also assembles Elbow Grounds, using Bierer Elbows, and Cluster Grounds.

- Meets or exceeds ASTM requirements
- Cable, clamps, and ferrules pass rigorous high current testing, and are all Made in the USA
- Bierer's #2, 1/0, 2/0, and 4/0 Grounding Cable is available in Clear and Yellow Jacket
- Cable jacketing is smooth, abrasion, weather, and oil resistant in accordance with ASTM specifications
- Meets ASTM F-855
- Cable size, and specifications are printed every foot
- Bierer Ferrules are manufactured in copper or plated copper, #2, 1/0, 2/0, and 4/0 sized, both Shrouded and Unshrouded, in Threaded, or Plug versions
- Bierer Clamps are available as C-Clamps, Clamps, Ball Stud, Spiking, and Vice Grip Clamps
- Our Permanent Mold process produces clamps up to 20% stronger than sand cast versions



[Temporary Protective Grounds](#)



[Temporary Protective Grounds Maintenance and Testing](#)



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 -20F while the Clear jacketed cable low recommended temperature rating is 0F. All grounding cables meet ASTM F 855.

Custom Grounding Assemblies #2, 1/0, 2/0, 4/0 Sizes



Bierer Grounding Clamps

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



B-ACBT125 1.25" Aluminum C-Clamp



B-BCAT40 .4" Brass C-Clamp



B-BCB175 1.75" Brass C-Clamp



B-SC1 1" Ball Socket Brass Clamp



B-BCAT15 1.5" Brass C-Clamp w Strain Relief



B-BFBT15 1.5" Brass Flat Clamp



B-BFBT15 1.5" Brass Flat Clamp w T-Handle



Bierer Grounding Clamps (cont.)

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



B-ACBT15 1.5" Aluminum C-Clamp w Serrated Jaw



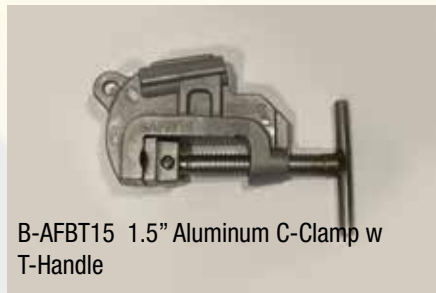
B-ADBT125 1.25" Duckbill Clamp



B-ACAT75 .75" Aluminum C-Clamp



B-ASCA2 2" Aluminum Spiking Clamp



B-AFBT15 1.5" Aluminum C-Clamp w T-Handle



B-ACBTSR2 2" Aluminum C-Clamp w Strain Relief



B-ACBT2 2" Aluminum C-Clamp w Serrated Jaw



B-2ACBPSR 2" Aluminum C-Clamp w Strain Relief



B-ACBT2-SR 2" Aluminum C-Clamp w Strain Relief



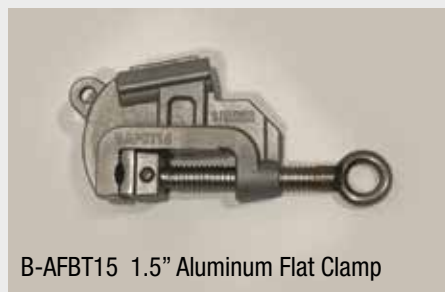
B-ABSCT15 1.5" Aluminum C & Ball Socket Clamp



B-ACAT75-SR .75" Aluminum C-Clamp w Strain Relief



B-ABSCT1 1" Aluminum C & Ball Socket Clamp



B-AFBT15 1.5" Aluminum Flat Clamp



Iowa Association Electric Cooperatives Safety Conference, Lineworker Safety Tool Competence presentation

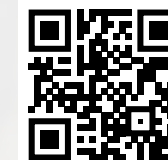
Bierer Mechanical Jumpers

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 -56°F to 194°F. 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 F2321.

- ASTM F2321 – Flexible and Insulated Temporary By-Pass Jumper
- EPR CV – cured jacket resists abrasion, heat, moisture, and 0 – zone
- Bierer Hawkbills are available in a Small Jaw configuration for conductors from #6 sol. To 477MCM, Large Jaw for conductors from #6 sol. To 954 MCM
- Separator: Semi-conductive tape between copper and ERP Insulation
- Insulation: Thermoset Ethylene-Propylene Rubber [EPR] as outlined in ANSI/NEMA WC-71
- Special blend Polycarbonate for durability and UV protection
- Jumper Clamps available in short 9.5" overall plastic length, or long 11.5" denoted by X at end of Part No.
- Bierer Duckbill Clamps are also available in 1.25" and 1.5" sizes, Permanent Aluminum mold for up to 20% greater mechanical strength vs. industry sand cast versions



Duckbill Clamp



[Bierer Mechanical Jumper Video](#)



B1785 Medium Clear Jumper Clamp
B1785X is also available



B2115 Large Clear Jumper Clamp
B2115X is also available

Mechanical Jumper Cable

Conductor: Annealed Flexible Bare Copper per ASTM B3 & ASTM B172 or Tinned Copper per ASTM B33 & ASTM B172

Separator: Semi-conductive tape separator between the copper and ERP insulation

Insulation: Thermoset Ethylene-Propylene Rubber (EPR) as outlined in ANSI/NEMA WC-71



Made to order Jumper Assemblies



#2, 1/0, 2/0, 4/0 in 15KV, 25KV



B2260 Medium Orange Jumper Clamp



B2270 Large Orange Jumper Clamp



Bierer 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



SP Shrouded Plug



ST Shrouded Threaded



UP Unshrouded Plug



UT Unshrouded Threaded



UTP Unshrouded Threaded Plated



UPP Unshrouded Plug Plated



SPP Shrouded Plug Plated



BF Bushing Ferrule



EF Elbow Ferrule



N2UP	N2UT	N2SP	N2ST
110UP	110UT	110SP	110ST
210UP	210UT	210SP	210ST
410UP	410UT	410SP	410ST

T= Threaded, P=Plug, U=Unshrouded, S= Shrouded

Bierer Grounding Accessories



BGB115 Bushing Ground Kit

Available in
1/0, 2/0, 15KV
and 25KV



BOTH5 25' Roll; 1.1" Clear Heat Shrink



BGE115 Elbow Kit

Available in
1/0, 2/0, 15KV
and 25KV



BOTH56 6" Segment; 1.1" Clear Heat Shrink



BSBH14 Interchangeable Brush Handle



BLGB Large Grounding Bag 15"X10"X27"



BBS6 Ball Stud Brass 6" w/1/2" Threads

Also Available in
5/8" Threads



BTS6 Truck Stud Brass 6" w/5/8" Threads

**Bierer
Storm Bag
Coming
Soon**



Lineworker Safety Tool Competence Workshop

Bierer Meters' industry exclusive all day workshop, with 3 distinctly different sessions. Custom tailor Bierer's LS&TCW to fit your Line Team's objectives, curriculum readily available by emailing SafetyTraining@BiererMeters.com



For more expanded product information visit BiererMeters.com



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



Now Stylish Bierer Meters Hats available with American Flag and Electric Culture of Safety's logo on each side.



A big hit at the 2024 International Lineman's Rodeo and back for a limited run. Get yours while they last.





10730 Farrow Road
Blythewood, SC 29016
Phone 803.786.4839
Customer_Service@BiererMeters.com

Bierer Meters products are manufactured
under the following USA Patents:

5,950,954	6,753,678	8,283,911
6,275,022	7,109,699	8,760,150
6,459,252	7,336,063	8,970,204
6,617,840	7,808,228	9,429,597
6,734,658	8,283,910	9,927,474



803.786.4839



BiererMeters.com