



# TEN Announces Exclusive Bierer Distributorship October 2009



TEN is proud to announce their exclusive distributorship of Bierer and Associates, Inc. test equipment for utilities and associated industries in Australia & New Zealand. TEN previously represented the Bierer products under the *Safetyline* brand before Bierer decided changed their distribution model to work directly with global distributors.

### About Bierer

Bierer and Associates is a US manufacturer of high voltage measuring equipment for the electric utility industry. Established in 1986 by Walter Bierer, Bierer specialises in the design and manufacture of Voltage Detectors, Voltmeters, Phasing Voltmeters, Phasing Testers and Grounds Testers.

Bierer's founder, Walter Bierer visited Australia in September and made several interstate sales visits, demonstrated test equipment and presented at the E21C exhibition. Mr. Bierer holds seven US Patents relating to high voltage measuring devices with three additional patents pending.

Bierer is a pro-active company that listens and reacts to the needs of their customers and distributors, designing special adaptor probes and equipment to meet the specialised needs of Australian and New Zealand utilities.

### Recent Australian Visit

On Mr Bierer's recent visit to Australia he presented a technical paper on how new technology in phasing tools;

- Allows much higher impedance phasing meters, resulting in improved safety by limiting the available fault current.
- Greatly improves accuracy by reconciling undesirable charging currents.
- Enhances versatility, for accurate phase sequence determination on secondary AC or DC voltages.

These features allow utilities to save time and money by having one operating unit that with accessories determines phase sequence at great distances.



Walter Bierer demonstrating the PD25AU at the E21C exhibition in Melbourne September 6th-9th 2009



## 1134km Long Range Phasing

During Mr. Bierer's visit a trial was conducted of the PR1 GPS long distance phasing unit which performed successfully at a distance of 1134km ! (Base station in Geebung, QLD and mobile unit in Goulburn, NSW).

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## Some Key Bierer Products and Features

### *PD800AU Wireless Phasing Tool*

- Wireless Phasing - 208V-800kV - Contact 208V-69kV, reference probe extension required for 69-800kV (Absolute reading, Capacitive test points)
- Self Test (Actual probe and meter diagnostic, displays battery voltage)
- Phase Sequence and Angle Indication (Delta/Wye identification)
- For Overhead, Underground and Substations (Transmission, Distribution & Secondary)
- Easy to read digital display with high intensity LED indicators
- Requires **NO** extension resistors and **NO** interconnecting cables
- Both probes completely shielded



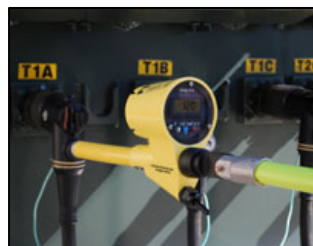
### *PR1 Phasing Ranger*

All features of PD800AU plus "Real time" instantaneous readings direct to meter face.



### *PD25AU & PD50AU Utility Phasing Voltmeter*

- Phasing Voltmeter for 25kV (PD25AU)/50kV (PD50AU)
- Measure True RMS
- Accuracy  $\pm 1\%$
- Regulator Neutral Detector
- Capacitive Test Point Phasing Meter
- Additional extras/adaptors for; High Line Resistive Voltmeter, Phase Sequence/Rotation Meter, DC Leakage Tester (Lightning Arrestor Tester), Hi-Potential URD Cable and DC Cable Tracer)
- Completely shielded interconnect cable and housing for meter and second probe
- Self Test (Actual probe and meter diagnostic, displays battery voltage)



### Other meters available:

- Specialised Rail Meter (DC)
- Proximity and Contact Voltage Detectors
- Analogue Phasing and Voltage Detectors
- Ground Resistance Tester
- Portable Earth (PED) Set Tester
- Voltage Break Indicator



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