

Increase Electrical Safety in Mines with Bender's A-ISOMETER® IR420 Series Insulation Monitors

By Bender Inc.

Dated: Jul 07, 2009

Below, please find product news from Bender Inc., a world leader in electric ground fault protection and detection systems. To download a high-resolution image of the A-ISOMETER IR420, please visit gallery.schubert.com and click on Bender.

Ground fault monitoring is paramount to ensuring electrical safety for mine workers. Bender Inc., a leading manufacturer of ground fault protection equipment for the mining industry, provides A-ISOMETER® IR420 Series isolation monitors to boost safety of large AC-powered mining machines.

The A-ISOMETER IR420 series is designed to monitor the insulation resistance of ungrounded AC systems up to 300 V. The response range is steplessly adjustable from 1 k Ω to 200 k Ω , and values are displayed on a seven-segment LCD. A large range of supply voltages can be applied to the unit. By connecting an external supply voltage, it also allows de-energized systems to be monitored.

Other features of the A-ISOMETER IR420 include:

- Internal and external test/reset buttons
- Self-monitoring with automatic alarm message
- Digital alarms with two separate alarm relays
- Connection monitoring system
- Preset function with automatic assignment of basic parameters
- Operates using "superimposed DC voltage" measuring principle.

The A-ISOMETER IR420 also can be used in smaller mining applications such as lighting systems and mobile generators.

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About Bender

Bender Inc. (Coatesville, Pa.) is the leading developer and manufacturer of ground fault detection solutions. A pioneer in electrical safety, Bender is a world leader in the design and manufacture of products that reliably monitor, detect and locate ground faults and the breakdown of insulation in ungrounded, solidly grounded and high resistance grounded power distribution systems. Bender products play an important role in the healthcare, power generation, mass transit, offshore, wastewater, steel, maritime, recreation and defense industries. All Bender products are UL-listed and manufactured per the ISO9001 standard. For more information, visit www.bender.org.

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