



***AMR* PEMCO**

PROVEN PARTNER IN TECHNOLOGY

WWW.AMRPEMCO.COM

Corporate Overview



- AMR PEMCO and sister companies operate to provide electronic monitoring, controls, communications, tracking, and collision avoidance systems as well as industrial buildings, circuit breakers, dry-type transformers, and automation integration.
- Markets served include global mining, aggregates, tunneling, power generation, utilities, transit, nuclear, water/wastewater, and general industry.
- Primary sales in the U.S., Canada, Mexico, India, South Africa, and South America with sales in many other countries around the world.

AMR est. 1975



ERM est. 1979



CMS est. 1995



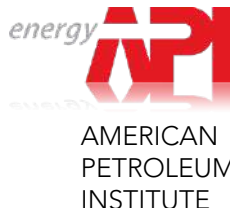
PEMCO est. 1960 - Acquired in 2016



Delivering Projects Worldwide



Codes and Certifications



American
Welding Society



Experience With Popular Brands



GE Infrastructure
Water & Process Technologies



Clients and Customers



NORTHROP GRUMMAN

Balfour Beatty



TMEiC



**Rockwell
Automation**



Core Capabilities



- Industrial & control buildings (ICB) and equipment enclosures including HVAC systems and design, installation and integration of all types of electrical equipment
- Complete skid mounted systems including switchgear, AC & DC Drives, transformers and control systems
- Complete skid mounted power centers and substations for harsh duty applications
- Custom designed dry type transformers up to 4 MVA and 25kV class.
- Specialty magnetics for custom applications including reactors, inductors, and rectifier duty transformers
- UL and CSA certified control panels with custom enclosure design and fabrication
- 3D modeling capabilities for all enclosures and bus assemblies.
- Electrical, mechanical, and transformer engineering



GROUND CHECK / FAULT MONITORS

Ground Monitors



Ground Monitors continuously verify the integrity of the AC ground wire in heavy equipment trailing cables, and transmission lines between electrical distribution stations. Since 1975, AMR PEMCO has been a pioneer in ground monitor design and sold over 50,000 circuits worldwide. We offer pilotless and impedance style pilot wire versions for low to high voltage circuits up to 25KV.



GF-180



A ground fault occurs when one of the phase conductors of a cable comes in contact with the ground wire of that cable. This will cause current to be placed on the ground wire, giving it potential for electrical shock. Our GF-180 ground fault will detect a small amount of ground current and trip the circuit breaker. The AMR PEMCO ground fault package is configurable with any of our existing monitors or may be used on other systems with optional power supply



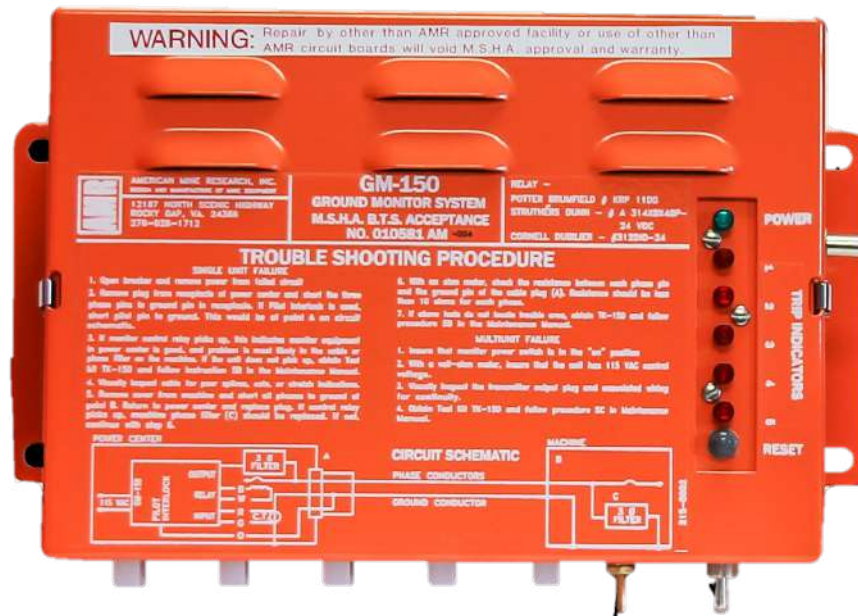
GM-150



The GM-150 is pilotless and uses a 45 ohm trip resistance and a 250 ms time delay, which eliminates nuisance tripping from intermittent conditions in the cables and collector ring assemblies.

Features & Benefits

- Monitors three phase, single phase, or DC power cables.
- Requires no calibration even when cables are replaced.
- Monitors reliably through cable reels for complete protection at all times.
- Performs satisfactorily with all types of arc suppressors.
- Current transformers and filters are easily installed with tie wraps.



GM-200



- The GM-200 Ground Monitor is pilot wireless, eliminating pilot wire costs, repair and lost downtime. But that is not the only way the GM-200 low voltage, single circuit, continuity ground monitor makes for easy maintenance. For starters, the GM-200's installation cut-outs are compatible with many of the industry standards, so RETROFITTING on the modular output panels of the power distribution center can usually be done WITHOUT DRILLING ANY HOLES.
- Furthermore, we have SIMPLIFIED troubleshooting and repairs with our PLUG-IN DESIGN on all assemblies. Even replacing or adding cables requires no calibration.



GM-250



The GM-250 is the most advanced high voltage ground monitor on the market, available in both pilotless and pilot wire operation. Offering a 45 ohm trip resistance, 250 ms time delay for reduced nuisance tripping, and immunity to DC and AC stray currents. Easy installation and maintenance and approved to work with cable lengths to 10,000 feet, the GM-250 saves cable costs and repairs.

- ▣ Features & Benefits
 - ▣ Pilotless or pilot wire operation.
 - ▣ Continuity monitor (45 ohm trip resistance)
 - ▣ Time delay (250 mS). Reduces nuisance tripping.
 - ▣ Immune to high and low voltage conditions. (+10%, -30%)
 - ▣ Immune to DC and AC stray currents.
 - ▣ Easy installation and maintenance.



GM-300



AMR PEMCO's GM-300 Ground Check system is intended for use on all high voltage systems where a pilot wire is available. Ground Check systems using the GM-300 are suitable for applications on power systems up to 25kVAC including low and medium voltages. For power systems over 25kV, contact us for recommendations.

- ▣ Features & Benefits
 - ▣ Test Switch included
 - ▣ Versatile sensitivity adjustment
 - ▣ Long life LED indicator lights
 - ▣ Low and high resistance indications
 - ▣ Simple troubleshooting
 - ▣ Reduced nuisance trips
 - ▣ Field replacement boards



GM-105-XLD



- The newest addition to the AMR PEMCO ground check monitoring line is the GM-105-XLD, "Extra Long Distance," impedance monitor. With an advanced 125 mA loop current, the XLD allows monitoring of cable lengths of up to 6.5km (4 miles).* The higher current loop provides more tolerance to connections or inline couplers, which can cause an increase in the resistance of the pilot circuit.
- In addition to ground check monitoring, the GM-105-XLD includes ground-fault monitoring for resistance-grounded systems. It continuously monitors the integrity of the ground wire to protect portable equipment from hazardous voltages caused by ground faults.
- * Distance may vary based on cable construction and manufacturer





For more information please contact us at:

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