

**EPG**

# CONNECTION

*Your Resource For Environmental & Industrial Solutions*

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*Register Now for the EPG Service Schools at [www.epgco.com](http://www.epgco.com) or call EPG*

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**LevelMaster™**

## CH1000 Liquid Level Meter

**I**ntroducing the latest addition to our LevelMaster™ Family of Process Meters.

The CH1000 is a fully programmable meter featuring a front panel keypad and digital LED display to monitor and control fluid levels. The CH1000 microprocessor-based digital display level meter is dependable, easy to use, and highly accurate.

Unlike other meters, programming the CH1000 Liquid Level Meter can be completed in a few easy steps. Three outputs allow set up of three separate functions (i.e. two pumps lead-lag mode and a high level alarm or a high/high high or high/low level alarm plus one pump) by selecting one of six preconfigured programs. The meter has a nominal display rate of 2.5 updates per second, a response time of 500 ms per input step, will store the highest and lowest readings in meter memory until cleared, and has a built-in 24VDC power supply for 4-20mA sensors. The meter is

equipped with transducer overload and short-circuit protection. Options for remote data acquisition and a separate 4-20mA output are available.

The CH1000 is the perfect replacement for existing level meters and offers more functionality for less. Change out is simple with easy-to-use instructions provided.



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## It's Back! EPG Service School 2006

Once again EPG Companies Inc. will be offering our Service School to those involved with the design, maintenance and/or installation of Liquid or Gas Handling Systems, Remediation Systems and/or SCADA and Data Acquisition Systems. These SWANA\* accredited classes provide an opportunity to develop your knowledge, expertise and troubleshooting skills while working in the landfill industry. It is also a great opportunity to learn more about the equipment manufactured by EPG Companies Inc. Our schools include classroom discussion, presentations, hands-on training, meals, lodging, applicable test equipment, instruction manuals and a SWANA certificate.



**Upcoming Service School Dates:**  
Mar 6-8 and 20-22: Pumps & Controls Service School  
Mar 8-10 and 22-24: Advanced Service School

\*Receive up to 10 continuing education credits through SWANA.

Go to [www.epgco.com](http://www.epgco.com) for more information.

If you would like more information about EPG products, services and/or capabilities, please call us at 1-800-443-7426, visit our web site at [www.epgco.com](http://www.epgco.com) or e-mail us at [info1@epgco.com](mailto:info1@epgco.com).

# Old Motor Leads Cause Shorts

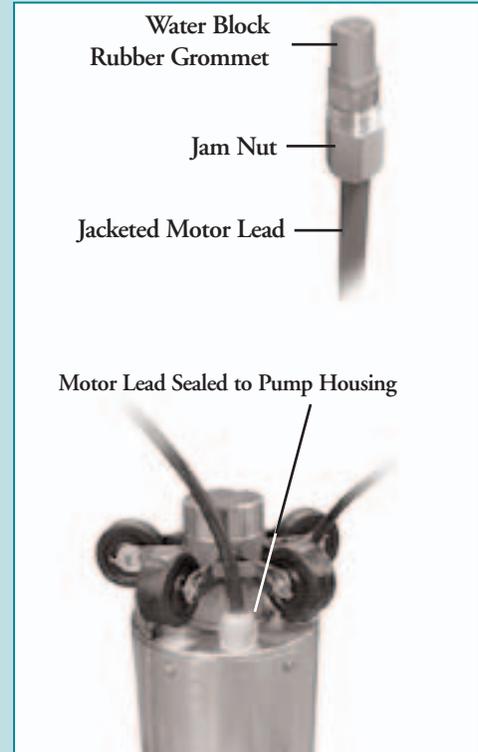
We've seen it hundreds of times. The problem is created during the pump installation and/or maintenance and progresses to a pump motor failure, a frustrated customer and expensive pump repair or replacement. By default, the pump or motor manufacturer is blamed for faulty equipment, and though sometimes true, it may not necessarily be the case.

One of the key factors leading to an expensive pump repair, failure or replacement is the quality and condition of the motor lead during pump installation or maintenance. EPG pumps are shipped with motor leads sealed to the motors. Designed to provide years of moisture-free, safe and dependable service, each motor lead comes with a rubber grommet seal, jacketed cables, and a large grounding surface. EPG motor leads are thoroughly tested, first with a megaohm meter and then submerged and pressure tested at 150psi.

Unlike competitors, EPG conducts pressure testing to insure that no potentially explosive gases can migrate through the cable housing to the control panel. But even though EPG motor leads are considered "best in the field", they are not intended to be removed and re-attached to the motor.

When new EPG motor leads are tightened to the motor, a rubber grommet expands within the connection chamber causing a permanent moisture-tight seal.

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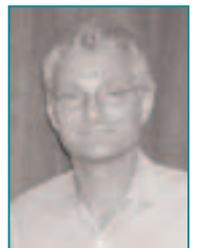


## EPG Sales Representative Highlight

For over 10 years The Reich Company, Inc. (Reich) has been marketing equipment for EPG Companies in Texas. In 2004 Reich expanded its coverage for EPG into New Mexico, Oklahoma, Arkansas, Louisiana, and Mississippi. Charles Reich and Jim Markgraf were the main sales persons of EPG equipment until September of 2005 when Charles' son, Charles III (Chachi) joined the firm. Chachi worked at EPG for several months learning about pumps, controls and telemetry systems. He also worked for a landfill service company in Texas for a year installing, troubleshooting and repairing EPG systems as well as installaing force mains and headwalls at various sites throughout Texas, Louisiana and Arkansas.

Through the experience Reich has had with EPG and other pumping systems, Reich believes that EPG designs and manufactures the best landfill leachate pumping system

available. It's built to last and is tested at the factory requiring only wire connections to install. Whenever Reich encounters problems with EPG equipment it is usually due to a bad installation or no maintenance. To insure that customers' equipment is installed and maintained properly, Reich works with reputable local EPG trained service companies who they recommend to EPG users. Additionally, Reich wants to work for the customer and requests that if you have questions about or problems with your EPG equipment that you call them first to assist you in working with the factory. If you are in a geographic area where Reich markets for EPG, please call them toll-free at 888-502-7756 so that they may assist you with any aspect of your EPG products.



Charles Reich - [www.reichco.com](http://www.reichco.com)

## CH1000 Liquid Level Meter (continued):

### Meter Features:

- An easy-to-use, accurate level meter to continuously monitor almost any liquid
- Values can be set to any engineering unit and any measurement increments
- Compatible with EPG's SurePump™ or can be used in stand alone applications
- Factory tested with default setup for easy installation
- Self-contained, solid-state system with no moving parts
- 6 modes of operation, including single or dual pumps pumping up or down with high and/or low level alarms
- Simple and easy three button programming
- Bright red LED display alternates between status of pumps/alarms and current level reading
- Fail-safe High-High Level Alarm shuts down pumps if sensors malfunction
- Separate security codes for different tiers of meter programming.



EPG's LevelMaster™ CH1000 Liquid Level Meter offers the flexibility you need to manage your liquid level monitoring systems. For more information call 1-800-443-7426, email us at [info1@epgco.com](mailto:info1@epgco.com) or visit us at [www.epgco.com](http://www.epgco.com).

### Old Motor Leads Cause Shorts(continued):

Pump heat during operation solidifies this seal providing years of moisture-free connection. If the motor lead is detached from the pump housing, the heat-set rubber grommet will not provide a permanent moisture-free seal. After maintenance, some service technicians simply re-attach the motor lead and without realizing an adequate seal might not be made. We've seen hardened, cracked or twisted motor leads that were apparently reused either to save time or money but shortly thereafter, the pump was shipped back to our service department as faulty or with a failed motor due a to short or disintegrated connection in the motor lead chamber.

Another condition created when working with a motor lead applies to three-phase applications. During new motor lead installations, wires can be connected to the terminals

incorrectly causing the pump to run backwards during operation. The pump will run but liquid flow is typically less than 25% of the pumps capacity. If left in this condition, the pump can destroy itself internally.

To help avoid the possibility of costly pump repairs and replacements due to motor lead problems, EPG highly recommends the correct installation of a new motor lead on all EPG pumps prior to installation.

Can all equipment malfunction or failure be avoided? Not likely. But if installed and serviced correctly, EPG equipment will provide years of dependable cost-effective service.

## EPG People...

The moment you strike up a conversation with Peter Baker you realize this guy really loves his work. Canadian born, Peter joined EPG Companies Inc. in October of 2005 and is currently the Product Manager for Instrumentation and NBT products as well as International Sales. He began his career in the newspaper circulation business and then pursued an education in Industrial Instrumentation Technology. After several years as a technical and instrumentation expert with companies like Yokogawa, Rosemount and ABB, Peter founded his own company selling and servicing instrumentation and systems integration products such as EPG's own NBT SCADA systems and software. It's reassuring to know that the knowledge and enthusiasm Peter brings to EPG Companies Inc. will translate into innovative solutions for our valued customers.



**Peter Baker**

In his spare time, Peter enjoys music, particularly, playing the clarinet, mandolin and soprano sax. He also has a great interest in cutting edge technologies and marine archeology and finds time to volunteer to improve adult literacy in the community.

# Product Highlights



## Senseteck™ Liquid Detection Sensors

EPG's Senseteck™ Liquid Detection Sensors can be used anywhere the detection of liquid is required. Pipe and Tank leaks, movement of liquid in landfill recirculation and bioreactor systems are all suitable applications. The sensor detects liquid through conductance made from probe to probe. Upon detection, the sensor can send a signal which can be used to indicate the presence of liquid, announce an alarm condition or start and stop equipment. The Senseteck™ Liquid Detection Sensor features a molded head and jacketed cable to provide long term, reliable service.



## Senseteck™ Temperature Sensors

EPG's Senseteck™ Temperature Sensors are designed to be used in landfill recirculation and bioreactor systems to sense the temperature of their surroundings. Research has shown that monitoring and controlling temperature within the landfill will decrease the time necessary to degrade municipal solid waste. When used with EPG moisture, liquid and pressure sensors, a complete range of real-time data can be collected and used to maximize landfill gas production, increase solid waste degradation and estimate cell capacity. These low-cost temperature sensors can be installed in a horizontal or vertical position, require no field calibration and can be easily connected to a process control and/or data collection system.

# EPG Upcoming Events

Landfill Gas Symposium  
March 7-10  
St. Petersburg, Florida

EPG TRAINING '06  
Pumps & Controls Service School  
March 6-8 & March 20-22  
Maple Grove, Minnesota

EPG TRAINING '06  
Advanced Field Service School  
March 8-10 & March 22-24  
Maple Grove, Minnesota

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Landfill, Remediation, Industrial and Water & Wastewater Solutions

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