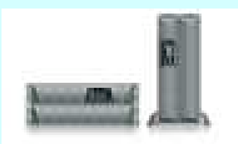
Is Your Laboratory Prepared to Weather the Change?

PPI Thirty-five Years Of expertise Protecting the World's Laboratory Instruments

PPI laboratory Instrumentation Power Protection Systems (IPPS) deliver smooth, conditioned power to protect your sensitive analytical instrumentation 24/7/365



As a global supplier of energy and power quality products, Precision Power International (PPI) helps laboratories protect their sensitive and costly instrumentation and equipment to create energy efficiencies.

Precision Power International has over 35 years experience in clinical, biotechnology, pharmaceutical, and scientific research instrumentation development meeting 21 CFR (Code of Federal Regulation) Part 860, FDA section 510 (k) (CDRH medical devices), and 21 CFR part 11 (electronic records reporting) regulations.

Our instrument power protection systems (IPPS) and "smart reporting" technology assure constant monitoring and reporting of electrical power providing the basis for managing all critical utilities. Management of critical utilities is fundamental to meeting 21 CFR part 11 requirements.

Additionally, Precision Power International's IPPS laboratory power solution (LPS) products form a power bridge that safeguards the GxP organization against lost personnel productivity, adulterated test results, and instrument damage.

At PPI, our power protection application engineers have the right IPPS calibrated and certified to each of your laboratory

Where Will Change Come From?

This November is a key bellwether month indicating profound changes in:

* Availability of highly-skilled laboratory resources and sample handing automation
* Leading edge technology optimizing sensitivity, throughput and cost reduction
* Weather and local climatology
* National directive impacts

All have potentially profound effects on the effective and efficient operation of your laboratory.

Looking Ahead

Preparing your laboratory to weather change is essential to assuring operational stability. A strategic review of best practices for managing the laboratory's research and production (human resources) time, and safeguarding the generation of low cost reportable results, data/informatics and instrumentation equipment, are essential steps to assure operational efficiency n the face of any climactic changes. Even the shifts in the political climate can become added risk-management factors for those laboratories with government-funded projects. Cost containment and conservation will be key watchwords for fiscal 2011.

Taking Action

Installation of instrument power protection systems (IPPS) provides a key measure of security in each of these areas of potential risk.

Accuracy and Precision is the Focus

The lack of availability of skilled and cost effective laboratory technicians (human resources) has been a driving factor toward automation in the laboratory for some time. Improvements in accuracy, precision and throughput on a 24/7 basis can only be realized with automation. To keep the robots running at peak effectiveness and efficiency, automation equipment must be fed pristine and consistent electrical power 24/7/365.

Power is the Variable

Investing in the elimination of electrical power as an operating variable, via IPPS implementation, is one key area where there is a clear cost effective solution to ensuring peak operational efficiency.

New Technology Drivers

The latest in mass spectroscopy (MS) includes new product offerings for sensitivity to the attomole 1 x 10-18 (one quintillionth) level or better with MS becoming an emerging method in DNA protein characterization. Triple Quad (quadrapole) and Triple TOF (time of flight) MALDI (matrix assisted laser desorption ionization) instrumentation are becoming ever present in the laboratory. New single molecule real-time technology is leading the way in third generation DNA sequencing and throughput.

Protection of this sophisticated technology is provided by IPPS products and is an essential safeguard to assist the laboratory in providing regenerated power technology (RPT) to meet instrument manufacturer's site planning/preparation specifications

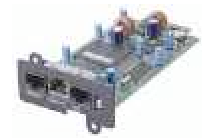
instruments.

Our expert applications engineers are here to answer your questions and apply the perfect power and backup solution to meet all of your requirements.

Forecasting the weather with accuracy is still a hit or miss proposition, but anticipating and preparing for the weather extremes that have increasingly challenged our laboratories' operational stability is possible. Laboratory managers can anticipate the likelihood and probability of spring floods, tornados, summer thunderstorms and heat waves, summer/fall hurricanes, and winter snow and ice. We know the weather can and does have an adverse affect on the laboratory; insightful managers take the steps necessary to be prepared for these contingencies and safeguard their operation.

The Bottom Line

IPPS units protect instrumentation and data when power flow and quality is perturbed or lost and provide the protection the lab manager needs to remain on mission track to deliver consistent cost effective reportable results on a real-time basis.



Ultimately, the bottom line and mission of the laboratory is to produce usable information (reportable results), in a timely manner, within budget. Whether your laboratory can weather the change is a matter of applying good business intelligence and insight to your daily operation.

"Smart monitoring and reporting" of processes, standard on all PPI units, coupled with the knowledge that your electrical power is now a controllable critical utility, brings ultimate peace of mind.

Precision Power International has the experience and products to allow you to accomplish your mission and rest assured your lab is operating efficiently and cost effectively.

Precision Power International (PPI) is a developer and supplier of energy and power products to protect sensitive and costly laboratory instrumentation. The company also provides engineering services to assist laboratory managers in achieving the right power solutions for their unique applications. PPI specializes in value added systems engineering (VASE), software monitoring services (SMS), and consulting engineering services (CES) for the global energy, power technology, and large end-user technology markets. PPI offers "true" turnkey systems integration with "plug and play" designs for the scientific, technology specifier, and end user applications. Precision Power International's engineers design, integrate and certify product applications utilizing the best and most robust "world-class" technology available.

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