



Date: October 5, 2003

Subject: New Product Announcement
Compressed Air Survey Tool
HLP-10 HyperLogger PowerPlusä

Release Date: Immediate

La Mesa, California: Logic Beach Incorporated has introduced the HyperLoggerä PowerPlusä power and data logging system, designed to simplify Compressed Air Surveys. The HLP-10 can monitor and record power data plus pressure and mass air flow data, all viewable in Excel for fast analysis.

The Compressed Air Challenge has heightened industry's awareness of the waste and inefficiencies of poorly maintained air compressor installations. Large compressed air users must be aware of the cost of compressed air and the importance of a well designed and maintained system. (The cost of compressing air has become a critical factor in the race to be competitive.) In the race to be competitive and the pressure to reduce expenses, the cost of compressing air is one to be thoroughly analyzed.

Few people thought their leaking compressed air system was the sound of money. But today industry has recognized that money is exactly what is leaking out of a poorly maintained or improperly sized compressed air system.

The need to conserve energy is greater than ever before, and it drives the need to monitor, record and analyze system performance data. The HyperLoggerä PowerPlusä is the first self-contained, easy-to-use, instrument that measures *both* the power consumption of a compressed air system and the resulting output. Using the HyperLogger PowerPlus system, an electrician can easily calculate the system efficiency by analyzing the equipment's power consumption along with the compressor output. The HLP-10 makes measuring power, mass air flow, and pressure extremely easy. One instrument provides a complete range of sensor inputs to study energy consumption, voltage variations, power factor, air flow and much more. Detailed studies are now easily performed.

The Logic Beach HLP-10, HyperLogger PowerPlus, logs AC voltage, current, and power, up to 26 total power related parameters, *and with the addition of the HLIM-1 interface module, allows the*

addition of standard industrial sensors to record mass air flow and pressure. The power data is transmitted from the Power Sensing Harness (PSH) to the data logger via an isolated serial data link. The low-power serial cable allows the HLP-10 HyperLogger data logging system to be located a safe distance from the power harness and its associated high-voltage connections.

The Power Sensing Harness is comprised of three split core transducers and voltage sensing leads for two or three phase measurements. Within the PSH, the measured power parameters are converted into a serial data stream that is read by an internal HyperLogger module.

Seven different Power Sensing Harnesses are available ranging from 100 amps to 2400 amps. Two versions of each of the Power Sensing Harness are offered; 1) Basic: kW and kWh outputs, 2) Enhanced: 26 energy parameters: kWh, kW, kW each phase*, Demand: Avg., Min., Max., AC Voltage - line to line, AC Voltage - phase to phase, AC Voltage - line & phase to neutral*, Power factor, Power factor each phase*, Amps – average current per phase, kVAR - reactive power, kVA - apparent power. The HLP-10 can monitor and record data from up to 64 Power Sensing Harnesses for very sophisticated efficiency studies. (*based upon derived neutral)

HyperWareä , the market proven icon-based programming, communication, real-time trending and data analysis software is used with all Logic Beach portable and remote site data logging and alarming instruments. A dialog box within HyperWare presents the available power parameters for selection and use in an efficiency study program. Additional inputs representing flow or pressure are supplied for use in programming the data logger for a wide variety of specific application solutions.

The HLP-10 HyperLogger Power Plus systems are available from stock with a starting price of \$2580. The separately specified Power Sensing Harnesses range in price from \$738 to \$1097.

Logic Beach Inc., The Authority in Unrestricted Data Logging systems, designs, manufactures and supplies portable data logging and recording systems. Specializing in ruggedized, programmable systems, Logic Beach Inc. offers a wide range of modular data logger systems providing flexible solutions for multiple applications. The entire range of portable data logging products operate with HyperWareä configuration software combining an intuitive graphical interface with the industry's most powerful programming capability.

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