



**Date:** February 20, 2002

**Subject:** New Product Announcement –  
HLP-10 HyperLogger PowerPlus™

**Release Date:** Immediate

**La Mesa, California:** Logic Beach Incorporated would like to announce the introduction of the HyperLogger PowerPlus™ power and data logging system. In a single easy to use system it is now possible to record power information and data from standard industrial sensors or serial data buses.

The need to measure, analyze and conserve energy is greater now than ever before. There are many instruments on the market that measure power but no self-contained, easy-to-use, instrument that can measure both the power consumption of a device and the resulting output of the equipment. With the Logic Beach HLP-10 HyperLogger PowerPlus data logger an engineer can easily calculate system efficiency by analyzing the equipment's power consumption and resulting performance. In-plant efficiencies and sizing analysis can now be more thoroughly performed by inclusion of all system components and parameters.

***Applications:***

- Compressor efficiency & sizing studies
- Cogeneration performance analysis
- Chiller efficiency studies
- Time of day power usage profiling
- Power Factor correction programs
- Refrigeration efficiency evaluations
- Voltage sag/surge detection
- Transformer Efficiency/Performance Testing

The Logic Beach HyperLogger PowerPlus logs AC voltage, current and power, up to 26 total power related parameters, and allows the addition of standard industrial sensors to record temperature, flow, pressure, and frequency **simultaneously**. The power data is transmitted from the Power Sensing Harness (PSH) to the data logger via an isolated serial data link where it is stored along with other user-connected sensors or signal inputs. The integral serial cable allows the HyperLogger data logging system to be located a safe distance from the power harness and it's associated high-voltage connections. Seven different Power Sensing

Harnesses are available ranging from 100 amps to 2400 amps. Two versions 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. \*based upon derived neutral.

The Power Sensing Harness is comprised of three split core transducers and voltage sensing leads for two or three phase measurements. The PSH contains all the electronics required to convert the power parameters into the serial data stream. A special HyperLogger interface module reads the serial data and presents it to the operator via the included software, HyperWare™. The HLP-10 can monitor and record data from up to 64 Power Sensing Harnesses for very sophisticated efficiency studies.

HyperWare™ is the Logic Beach software application used to program the HLP-10. A dialog box in HyperWare presents the available power parameters to the operator for selection and use in the efficiency study program. Additional inputs are also presented representing temperature, flow, or pressure and may be used in the programming of the data logger as required for a flexible and specific application solution. HyperWare is the revolutionary, market proven icon-based programming, communication, real-time trending and data analysis software used with all of Logic Beach's portable and remote site data logging and alarming systems.

The HLP-10 is currently available for immediate shipment and pricing starts at \$2580. Pricing for the separately specified Power Sensing Harness ranges 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 variety of modular data logger solutions for flexible solutions to multiple applications. The entire range of portable data logging products operate with HyperWare™ configuration software providing the industry's most powerful programming capability with an intuitive graphical interface.

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