InteliLogger IL-Mini™ Programmable Data Logger

Data Acquisition Applications

- Energy Audits
- Compressed Air System Audits
- M & V Study Data Collection
- Environmental Remediation
- Emissions Monitoring
- Water, Gas and Electric Metering
- RICE NESHAP Compliance Reporting
- Field and Lab Product Test

New!

Features

- ***Programmability*** via HyperWare-II… unmatched flexibility in a low-cost logger!
- Four analog, one digital input standard
- Versatile inputs (Vdc, mVdc, thermocouple, mAdc)
- Modbus RTU Master and Slave Option
- Battery or Grid powered operation
- Weatherproof package
- Compact Flash card memory expansion
- Up to 100 Samples/Sec logging

IL-Mini™ shown with Weatherproof Enclosure (Open)

- Digital input programmable for Event, Count and Freq
- Fast and simple setup to deployment cycle
- 4 line x 20 character user-interface display
- Integral USB port
- Optional Relay outputs
- Integral RS-485 port for Modbus RTU option

Overview

The IL-Mini™ family of instruments brings the intuitive and powerful programmability of HyperWare-II to a low-cost, weatherproof, stand-alone data logging instrument. No more compromises of cost vs flexibility!

Four analog inputs are standard and all units feature a digital input that can be configured by the user for events, high-speed count or frequency input. Analog input options include direct connection of 7 types of thermocouple as well as a full range of analog Vdc and mAdc signals… all under user control and underline the need for external signal conditioning cables, pods, etc.

Via the optional front panel, four-line LCD display, status as well as real-time values of inputs and/or calculated values can be viewed. User worded alarm and status messages can be programmed and displayed.

With the Modbus RTU option, the IL-Mini™ can garner register values from RTU Slave devices via the integral RS-485 port. The Modbus register values can then be

processed along with other analog and digital inputs per the user defined Program.

The IL-Mini™ has internal memory to store 50,000 (160,000 optional) readings or via the optional CF card, up to 10 million samples can be logged.

IL-Mini™ Setup via HyperWare-II™

The powerful and flexible HyperWare-II Windows App allows users to quickly create simple to complex data logging and alarming programs. The graphic interface facilitates intuitive construction of intelligent logging and alarming strategies… features and capabilities never seen before in a low-cost data logging instrument.

The IL-Mini™ programming is simple and intuitive thanks to the industry embraced HyperWare-II software. Within HyperWare-II, simply drag icons from a palette and interconnect them with your mouse to build a graphic program. This graphically represented program is then uploaded to the IL-Mini™ memory where it executes.
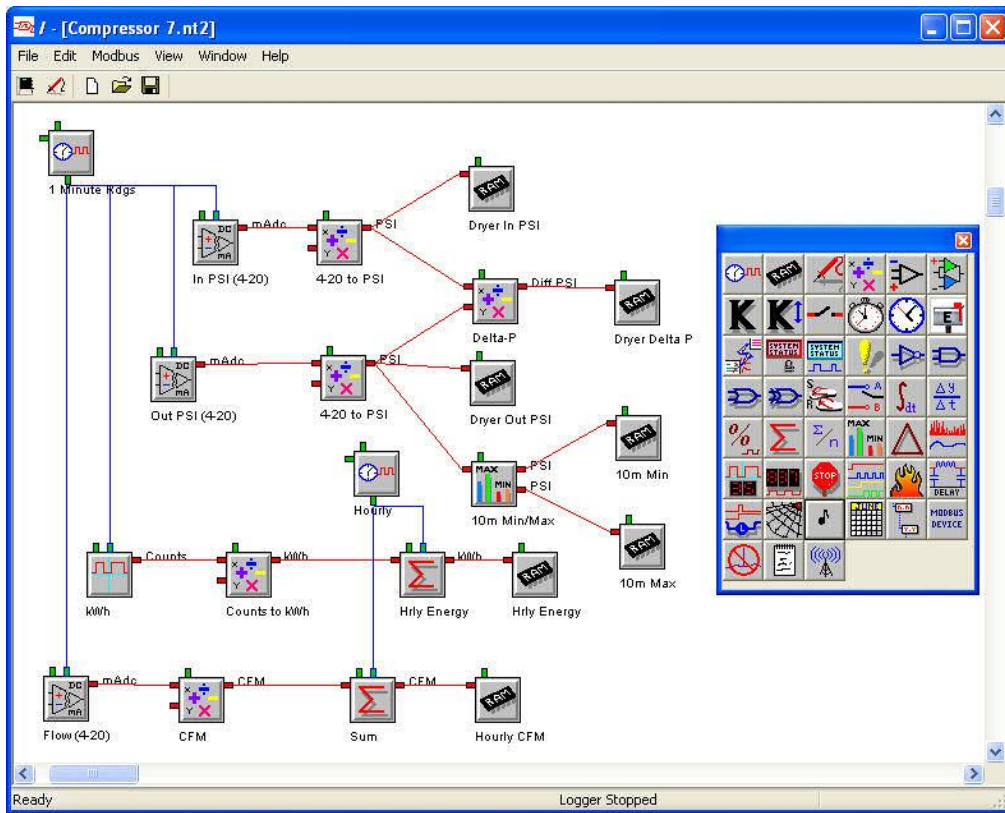
The IL-Mini™ is then deployed to run autonomously, sampling inputs, performing calculations and finally storing the data to memory. The IL-Mini readily supports algebra, statistical sampling, time integration, totalization, inter-channel calculations and much more. Simultaneously, user defined alarm conditions are monitored and alarms output accordingly.

After the data acquisition session… from hours to weeks, the logged data is downloaded via USB to your PC using HyperWare-II and the data is converted to a CSV file for data review… or viewed directly using the included data plotter. Output data is fully annotated with channel names, units, time and date and logging session details.

IL-Mini™ models are available with internal batteries for 2+ month autonomous field operation as well as an optional PSM-4 transducer power supply. With the PSM-4, the hassle of providing transducer excitation voltage or 4-20mA loop power in the field is solved. The PSM-4 can provide cycled 15 or 24Vdc for transducer excitation from the internal D-cells!

The IL-Mini™ is provided standard in a gasketed door, weatherproof housing with wiring egress gland fittings, suitable for outdoor or industrial deployment.

For full product specs, options and more details refer to the IL-Mini™ at www.logicbeach.com

Example Air Compressor Audit Program Net for the IL-Mini™ built with HyperWare-II

Internal Batteries   **Flip Front for Wiring Access**   **Removable CF Card Memory**   **Real-Time Readings Display**