



Temperature & humidity recording - HACCP systems

Asset management

Process control & factory data acquisition

Environmental data collection & weather stations

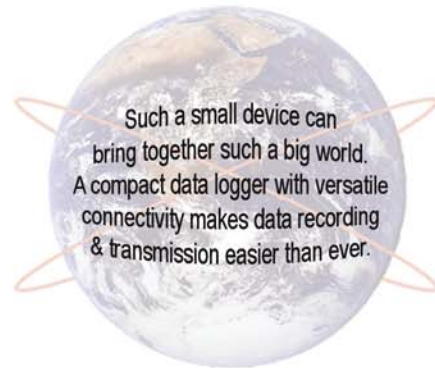
Remote control & telemetry

iLOG
Data logger
RTU



Bridging the Internet gap

Previous generation telemetry and data collection devices use serial communications with custom master-slave protocols. System integration becomes expensive and time consuming, demanding special hardware and software for data collection. iLOG is a powerful telemetry unit, utilizing newest communication technologies and full internet connectivity. Data collection becomes a piece of cake: The device itself simply transfers data in ASCII format, for direct import into EXCEL, via FTP or email! No programming is required!



iLOG-EDM

Serial port for external dial-up or wireless modems



iLOG-GSM

Internal EGSM/GPRS modem (900/1800 MHz or 850/1900 MHz)



iLOG-LAN

10BaseT Ethernet port



Specifications

Input voltage: 9V-30V DC
Input current: 40-200mA (12V DC)
Analog inputs: 4, 12 bit resolution
AI 1,2: RTD(4 wire)/0-1V/0-20, 4-20mA
AI 3,4: 0-1V/0-20, 4-20mA
Digital inputs: 4, pull, 0.5 Hz
Pulse counters (DI 3,4): 3 kHz
Digital outputs: 2, 30V, 100mA, OC
Keyboard: 15 key, membrane
Display: 4 x 20 alphanumeric, backlit
Temperature: -20°C, +55°C operating
Dimensions: 154 x 84 x 38 mm
Weight: 250g
Mounting: suspension element
with snap-in locking device

Serial port 1 (only iLOG-EDM)

Baud rate: 9600 to 57600 bps
Protocols: AT commands (Hayes AT, GSM 07.07, GSM 07.05), General Internet Protocols
Support: External PSTN MODEM, GSM Modem

Serial port 2 (auxiliary, all units)

Baud rate: 2400 to 38400 bps
Protocols: IrDA (IrLAP, IrLMP, IAS, TinyTP, IrCOMM), XMODEM (Firmware upgrade)

Ethernet LAN

10BaseT, 115200 bps
Protocols: General Internet Protocols

GSM Features

Output power:
Class 4 (2W at 850, 900 MHz)
Class 1 (1W at 1800, 1900 MHz)
GPRS: Support of PBCCH/PCCCH
Coding schemes: CS1 to CS4
Compliant with SMG32 (R97)

Interfaces

RS-232 port: 9 pin D-connector
GSM antenna: SMA connector
SIM holder: 3V SIM cards in accordance with GSM11.12 phase 2
Power, I/O: 25 pin D-connector, flat cable assembly to SCT-04 adaptor

Measurement

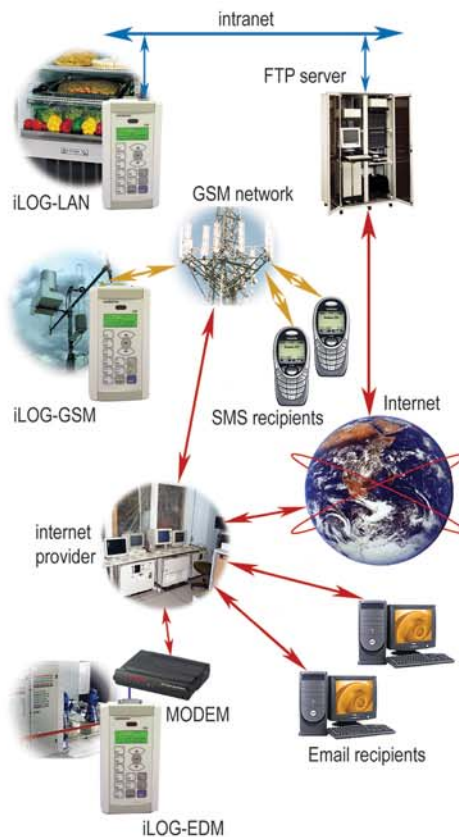
Four high resolution analog inputs allow independent or simultaneous measurements to be recorded. Two of the analog inputs can interface to Pt 100 sensors in 4-wire connection. All channels have scale adjustment capability and presettable low and high alarm limits. The unit features also 4 digital inputs. Two of them can be configured as counter inputs and support sensors with pulse output.

Two digital outputs are available for monitoring alarm states. Alternatively, they can be used as independent, remote controlled outputs.

For convenient wiring, an external DIN rail adaptor with screw terminals is available.

Logging period is selectable between seconds and hours. Logging of individual channels can be enabled or disabled according to the state of the digital inputs.

Up to 40'000 measurements can be recorded in the internal, power fail safe memory, thus allowing to keep in the internal memory, readings recorded every 15min, for a whole year, according to the HACCP compliance regulations.



Communication

The unit initiates data transfer in the form of FTP or email file attachment, in user defined time intervals.

The file contents is formatted text for direct import into Excel.

Alarm states can be announced by email or SMS to predefined recipients.

An internal web server publishes, on demand, an HTML page on the internet, allowing real time monitoring of the measurements and operating states.

iLOG also utilizes SoAp commands, thus allowing to get directly connected and accessed by custom developed programs.

Operating parameters can be changed using a common web browser.

The unit features an auxiliary serial port, as well. iLOG can be ordered with the optional iRDA interface, which enables data uploading locally, using a PDA or a laptop.

Ordering information

iLOG-EDM: RTU/data logger with serial port for external dial-up or wireless MODEM.

iLOG-GSM-x: RTU/data logger with internal EGSM/GPRS 900/1800 MHz modem.

x: 01: 900/1800 MHz

x: 02: 850/1900 MHz

iLOG-LAN: RTU/data logger with 10BaseT Ethernet port.

iLOG-XXX-x-IR: IrDA interface option

SCT-04: I/O and power adaptor with screw terminals and flat cable assembly.



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