

iLOG™ - Operational high-lights

iLOG™ is a new generation digital RTU data logger incorporating full Internet capabilities. The device is not aiming to be a data logger. Actually, its data logging capabilities aren't the best you can find in the market. The device aims to be a stand-alone telemetry unit, with fair data logging capabilities, fully compliant to the HACCP standards – the internal memory is big enough to hold readings for all channels, logged every 15min, for one whole year; it can be used to monitor measurements, and transmit the recorded data automatically.

iLOG™ carries a built-in TCP/IP webserver with live webpages that can be accessed by any Internet browser application, and illustrate the current readings and system settings, too.

iLOG™ supports data and alarm transmission via email (smtp, pop), ftp, socket application commands, and GSM/GPRS communication channel. The device can transmit its data and alarms up to five email accounts, five GSM phone numbers and two ftp servers.



iLOG™-LAN – The device carries a built-in Ethernet/LAN adaptor and can be directly hooked on to a local network, to transmit its data and alarms via ftp or socket application commands. If the local network has a gateway to the Internet, or a GSM network router is connected, then the device can transmit data and alarm emails, too.

iLOG™-GSM – The device carries a built-in GSM/GPRS modem and can be directly connected to a mobile telephony network, to transmit its data and alarms via email or ftp, while SMS alarms can easily be transmitted, too.

iLOG™-EDM – The device carries a built-in serial communication port to attach an external modem, while it incorporates and supports all necessary modem protocols, to transmit its data and alarms via email or ftp. If the modem attached is a GSM modem, then the device can transmit SMS alarms, too.

iLOG™ can be installed in a remote facility, be programmed for data logging and communication according to the installation specific demands, and be left alone to work on its own. At the preset time, iLOG™ shall transmit its data to the defined recipients, no matter if they are located within the same building, or thousand of miles away. iLOG™ incorporates all necessary data transfer protocols, and it doesn't require a PC to function. Furthermore, it is completely independent from any special communication software, unlike most other data loggers. Data transfer is performed using standard file formats, like: csv, ascii and xls.

iLOG™ includes four (4) high-resolution analog inputs (AI1-AI4) used for recording analog signals such as temperature, humidity, pressure, level, etc. All data are stored in its internal memory. Signals directly recognized are 0-1V, 0-20mA, 4-20mA, PT100 or any RTD sensor, and any 592 temperature sensor (current generator).

It also includes four (4) digital inputs (DI1-DI4) to measure and record digital states (on/off), where DI3 and DI4 carry pulse counters and can be used either as pulse counting inputs, or frequency signal sensors (0.1Hz to 1KHz).

iLOG™ also includes two (2) digital relay outputs (DO1, DO2) that can be triggered either automatically by the device, or manually and remotely by the user.