



Internet enabled



International warranty



CE conformity



HACCP compliant

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iLOG-GSM

stand-alone telemetry unit
 programmable data logger

such a **small** device
 can bring together
 such a **BIG** world

a compact telemetry unit with versatile
 and revolutionary built-in connectivity,
 makes data collection and transmission
 a lot easier than ever...!

includes:

- 4 hi-res AI
- 2 pulse inputs
- 2 DI
- 2 relay DO

connects via:

- GSM data & GPRS
- RS232 serial port

supports:

- TCP/IP
- smtp, pop3, email
- ftp, http
- Telnet commands

provides:

- local alarming -
- (alarm & prealarm,
- via the digital outputs)
- remote alarming -
- (via email, or SMS)
- remote DO triggering -
- HACCP compliance -
- CE conformity -

offers:

- ease of implementation -
- compact dimensions -
- solid built -
- industrial standards -
- high reliability -

190 oil-wells in Riyadh deserts, 1'500km of pipe-lines, 3 collection points in Jeddah, 12'000km of tanker-shipping, 2 process facilities in Hamburg, and headquarters in Denver...!

How can all share the same online readings?

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, 0.5Hz
 Pulse counters (DI 3,4): 1kHz
 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 2 (auxilliary)

Baud rate: 2400 to 57600 bps
 Protocols: IrDA (IrLAP, IrLMP, IAS, TinyTP, IrCOMM), XMODEM (Firmware upgrade)

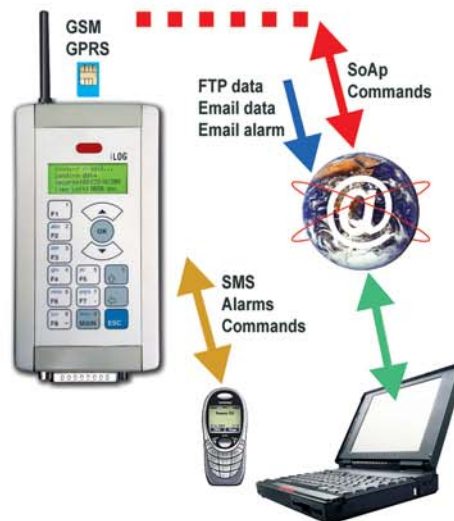
GSM Features

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

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 presetable 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 by connecting to the ISP provider via GSM or GPRS. 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 (via SMS), an HTML page on the internet, allowing real time monitoring of the measurements and operating states. iLOG also utilizes SoAp commands (TCP & SMS), thus allowing to get directly connected and accessed by custom developed programs. Operating parameters can be changed using a common web browser.

Ordering information

iLOG-GSM-x: RTU/data logger
 with internal EGSM/GPRS 900/1800 MHz modem.
 x: 01: 900/1800 MHz
 x: 02: 850/1900 MHz

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



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