MYLOG
Data acquisition system

Description

MYLOG data acquisition system, designed and produced by SIM STRUMENTI, is a compact, versatile and inexpensive datalogger; its small size and low consumption make it suitable for targeted monitoring at one point, where daily data is needed, without incurring complex monitoring. MYLOG is particularly suitable to be inserted inside the various measuring instruments in order to reduce costs and dimensions.

MYLOG unit can be connected to all the instruments produced by the SIM STRUMENTI and be supplied with the sensor already connected or with a centralization box. Designed to be used with different types of power supply, when ordering you can choose the type, considering sensor, frequency and duration of monitoring.

MYLOG unit will be housed inside a container whose size and material will depend on the different needs, the batteries and the chosen accessories.

The acquisition intervals are programmable from 1min to 24 hours and there is also the "Scan" function that allows to control the alarms of each single channel, with a programmable frequency from 1min to 24 hours.

The WARM UP function, programmable from 1 to 60 seconds, allows to supply current to the instrument before reading, in order to stabilize it. When connected, MYLOG unit provides all the parameterization data stored in it, as well as the status of the battery. The data is saved in a FLASH memory that can store 128,000 data, as well as date and time.

It is possible to connect MYLOG unit to a GSM modem.

Applications

Connected to piezometers, fixed wall inclinometers with temperature sensor, joints meters, temperature and humidity sensors etc.

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Technical features

Nr. of channels	2
Converter	16 bit
Available inputs	±10mV, ±200mV, ±2V, 4-20mA*
Battery control	√
Real time	√
Stored phones number	6
SMS messages	1 for every channel + 1 main message
Alarm	√
Alarm output	Pulse +V e/o Message SMS (via modem)**
Warm Up	Programmable from 1 sec to 60 sec
Internal power (standard)	Battery 9V 1.2Ah Power supply 3x3.6V 1200mAh
External power	3.6-24Vcc***
Memory per channel	64000 data
Consumption	0.01mA in standby 20mA during connection; 30mA during acquisition
Sensor power	-0.8V
RS232/USB	√
Com. Speed (BPS)	9600, 57600
Operating temperature	-20 ÷ +70 °C
Acquisition rate	Programmable from 10 sec to 24 hrs.
Scan rate	Programmable from 10 sec to 24 hrs.
Protection	IP68 for inox case IP63 for ABS case
Dimensions	Power supply 3x3.6V 1200mAh Ø32x260mm Power supply 4x3.6V 1200mAh Ø32x260mm Battery 9V 1.2Ah 100X64X40mm
Weight / Material	Power supply 3x3.6V 0.480Kg. / Inox Power supply 4x3.6V 0.480Kg. / Inox Battery 9V 1.2Ah 0.200Kg / ABS

Accessories

Battery 9V 1.2Ah	**MLY AX-0912**
Power supply 3x3,6V 1200mAh	**LY-AX-3612**
Power supply 4x3,6V 1200mAh	**LY-AX-4612**
Alarm card includes TEST/RESET buttons and bistable relay	**ML-LY-SA**
DC/DC for sensor supply +15Vcc	**ML-LY-DC15**
Communication Kit (USB cable, driver and software VEDO)	**ML-LY-COM**
Centralization data sheet (2CH)	**LY-JB**
Material	ABS
Dimensions	100x64x40mm

*   Specify for each channel the sensor.
**   For the alarm pulse is available an relay card and for the SMS message is available a GSM modem model MDS-BSE.
***   Specify at the order if an external power supply is needed.

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