

Environmental Monitoring Solutions

SOFTWARE

3DOM

Supplied with all data loggers. It allows the configuration of the data loggers via PC, with the possibility of saving the various configurations locally. The program guides the user through the procedure, with the possibility of creating a final report.

Through the use of this software, it is possible to download data from memory in .TXT format compatible with Excel.

The program also allows a quick and easy display of the instantaneous values acquired, useful for diagnostic purposes.

Main Features

Data logger configuration

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Configuration Instrument Registry Statistics State	Values 🔐 Values Data Storage		LSI Lastern
Instruments Browser 4	× Configurations		4 Þ 🕶
👤 Instruments	Instrument: E-Log\09020590 (v.02.40.03)	3) -	
□ □< □	State Pie Mith Description	Deta Carlig Lipoteis File Carlig Lipoteis Version Code 11/12/2015 10.4127_ 11/12/2015 10.412_ 02.40 Empty	
Data Logger Properties	Downloaded elaborated data status:		
Property Value Factory Srial Number 09020590 User Sent Number 09020590 Filmsware Version 02.40.03 Compatible Configurati 02.00 - 02.99 Featory model: ELog 305	Status Y Ready	Lat downkoded dat 11/12/2015 11:40:00 AM	
Instrument: E-Log\09020590	ion file:		Mode: Norma

3DOM home page is divided into 4 sections:

Data loggers configuration

Data storing in GIDAS database or

Data download

ASCII format

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- Instruments: list of data loggers managed by the program
- Configurations: list of configurations available for the selected serial number
- Data logger properties: service information for the selected serial number
- Download status of the processed data

Setup of all the features available on the data logger:

- Selection of LSI LASTEM's sensors from library or configuration of non-LSI LASTEM sensors
- Configuration of measured and calculated quantities selected from the derived quantities library which use measured or calculated quantities and configurable K factors (see Derived Quantities Catalogue)
- Engineering of electric input signals (analogue, digital and serial) for every channel
- Selection of the protocol of serial sensor
- Configuration of channel logs for Modbus Protocol
- Selection of network and channels for ZigBee protocol (only for R-Log and E-Log with radio model)
- Configuration of the acquisition rate for every channel
- Selection of the elaboration: real-time, average, maximum, minimum, standard deviation, totals values, wind analysis, etc.
- Selection of the processing time base
- Configuration of calibration polynomial functions (maximum N. 7 configurable curves).
- Configuration of electric outputs (actuators) according to configurable events
- Selection and transmission of the configuration file (also via GPRS)



Data transfer to a PC via RS232-RS485-USB-Ethernet-GPRS

• The transfer of stored data to the PC is performed in manual mode (on operator's command) with a cable (RS232-USB / 485) or via Ethernet. You can set the date from which the data must be downloaded and view it (data preview) before downloading.

- Configuration of the two RS232 ports, which can be converted into RS485 or USB ports
- Configuration of GPRS modem
- Configuration of FTP connection for data transfer (push-mode) via Ethernet or GPRS modem
- Selection of data transfer protocols: LSI LASTEM property protocol, Modbus-RTU (Master), TTY and FTP

σ 1.51 Values Values Data Registry Statistics State This list sh 🖵 Instr 95 (v.02.01.00) - lura Description Data Config. Update Data Storag Binary File Data Storage Envista Data Storage Gidas Data Storage InfoGAP Data Storage Text File Data Storage BinaryFile Envista 📟 Data Logger P rated data statu Value 8 Never downloaded 08030295 02.01.00 02.00 - 02.9 ELog 105 Mode: Normal ser000.08030295.UDP.EL.og.xm

Data storage in GIDAS SQL Server database and text files

The data are stored on text files with a customizable format.
3DOM is sufficient If the operator needs only text files (on a PC manually connected via RS232-RS485-USB-Ethernet).
Data can be stored also in the SQL
Server GIDAS database, used by LSI
LASTEM specialist programs.
From the program it is possible to select on which storage medium to save the data.

- Selection of the default format for data recording: TXT files or SQL Server GIDAS database format
- Configuration of the text file format
- View of real-time values list
- Download of data of the selected period in preview mode



Compatibility with Alpha-Log data logger

Instrument Configuration - user	Check	Check	Data Structu	Jre	Report					SI Lastern	S
Instrument Informations		Measures									
System Parameters	TODO: to	s ooltip sulla lista m	ostra le elab	orazioni							
Connectivity	Name Logical	input: Tipping B	Pos. A		Wam-up	Dependent Measures	Bab. rates	Used by	Factory Code	6	dd
		n 1Tot (mm)		00.00.30			00:05:00 (Tot); 00:10:00 (Tot)	Yes	DQA230.1#C	E	dt
Data Logging	- Logical (d=1) Pt1 (d=3) BA		1 0	0:00:30			00:05:00 (Min, Ave, Max): 00:10:00 00:05:00 (Min, Ave, Max): 00:10:00				licate nove
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Actions											
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The 3DOM software allows the configuration of the Alpha-Log data logger.

Through 3DOM it is also possible to download the data sent by the devices to an FTP area, even remote, and save them in SQL GIDAS format on the local PC.

The configuration file can be sent to Alpha-Log using the following ways:

- By Ethernet port
- By USB pen drive
- Sent to FTP server where Alpha-Log checks about new configuration file availability, in that case upload the file

Space rental on FTP server

LSI Lastem allows its customers to activate a data repository service on a web space with access via FTP protocol.

The customer who does not have its own server to direct the arrival of data from monitoring stations via FTP protocol may ask the salesperson / distributor to activate it.

The service is available in the form of an annual subscription.

SWCLA0009: FTP/MQTT service activation

SWCLA012012: Months License FTP service, 1 GB

SWCLA012112: Months License FTP service, 5 GB

SWCLA012212: Months License FTP service, 10 GB

(see MW9006-ENG-15-FTP-MQTT services)

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