VISULOG

Configuration and data acquisition software for monitoring and supervision

VISULOG is an easy-to-use yet powerful software to use in combination with AOIP acquisition systems, calibration and measurement instruments. The software allows data to be acquired, managed, and stored on a computer.

- Measurement and calculation channels
- Edition of comprehensive and customizable calibration reports
- Customizable visualization panel
- 4 optional modules for advanced use:
    - Calibration module
    - Module of advanced management of access rights (21 CFR Part 11)
    - Chamber mapping module
    - Remote access and control module

Description

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VISULOG allows acquisition on a computer to be performed over more than 5000 channels. It provides calculation channels, for statistics and advanced calculation as, for instance, required in oven mapping applications.

Users can define result files, audit trails and manage the acquisitions.

Build your own screen

Measurements can be displayed as a list of results, curves, bargraphs and high definition diagrams.

Pictures or schematic of your installation can be set as a background of the screen, then you can place curves, channels values close the real points.

All the results can be exported to spread sheets as excel or other softwares. Alarms can be also defined by the user (4 alarms per channel). These alarms can generate pop up windows on the control screen. Emails to one or several users in charge of supervision can also be generated.

VISULOG-PHARMA: Optional module for advanced management of access rights – Compliance to 21 CFR part 11 - FDA Standard

VISULOG software can be configured to fulfil all the 21 CFR part 11 requirements:

- Security Management

- Personal login and password

- 3 levels of rights: Administrator, Super-User, User

Each level gives specific rights. Passwords will automatically expire unless renewed within a configurable time.
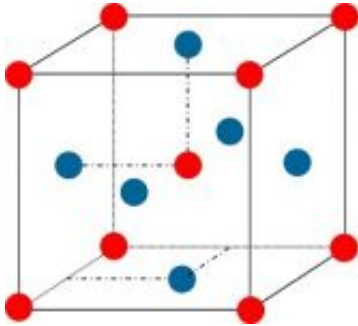
User accounts are disabled after a number of failed login attempts and failures are logged into the audit trail

An acknowledgment, or signature, is required for every action including alarms validation.

Results files are stored in a VISULOG format: *.vgc

- Audit trail

All the events are recorded into a protected file: connections, disconnections, alarms appearance/clearance, configuration modifications, results readings...

Please do not hesitate to contact AOIP to ask for our "white paper", explaining step by step the compliance of VISULOG to the FDA 21 CFR PART 11 requirements, regarding data saving, access restrictions and audit trails.

VISULOG-ETAL : Optional module for sensor calibration

This module enables sensor calibration to be managed and fully automatized. An unlimited number of calibration procedures can be created.

Every sensor can be automatically calibrated after configuration by comparison either to a standard sensor connected to a channel of an acquisition system, either to an external reference. Results are registered and integrated into VISULOG software: applied corrections, standard references, calibrated values...

After calibration, the user can create a customized calibration report.

Applications :

Autoclave validation

With the sensor calibration facility, full autoclave validation can be performed with VISULOG software and an AOIP data acquisition system:

Process description:

- Pre calibration of the temperature sensors, adjustment performed into the data-logging system, BEFORE the validation process
- Autoclave validation with real-time monitoring and F0 calculation
- Post calibration of the temperature sensors

Monitoring

Monitoring of chambers, cooler, cool rooms in R&D or production processes within pharmaceutical / medical environments, food industry...in order to control the non-drift of

chambers and ensure the traceability of the environment in which tests are performed.

VISULOG-CARTO : Optional module for mapping of thermal & climatic chambers and storage rooms

VISULOG-CARTO can perform in real time characterization, qualification, mapping and validation of a chamber or a storage room according to IEC60068-3-11.

Mapping allows characteristics of room to be precisely defined in terms of stability, homogeneity and horizontal and vertical thermal gradients between measurement points within the chamber.

Applications :

Storage rooms

In case of storage applications and depending on the type of products stored, it is necessary to define with accuracy the climatic conditions at every part of the room. Knowing the temperature and humidity differences inside the room, sensitive products can be stored according to their storage and behavior specifications.

Once the sensors are placed, the room is controlled and monitored in real time during days and nights and eventually warns the supervisor of changing conditions with alarm emails.

Climatic and thermostatic chambers

VISULOG mapping facilities will perform all the necessary operations according the standard IEC60068-3-11.

For every sensor and between all sensors, values of stability, homogeneity, maximum, minimum, mean and standard deviation are calculated and displayed.

Deviations to the set point and to the indicator are also taken into account.

VISULOG mapping procedures can be integrated for chambers with volume below 2m^3 and between 2 m^3 and 20m^3 and

VISULOG-WEB : Optional module for remote control and monitoring

This module enables users to have a real-time remote control and monitoring of the acquisition

and to access data under acquisition and stored in VISULOG.

Via any network, VISULOG-WEB is accessible from any Internet browser to real time display channels, result files, alarms and log files.

Access is protected by ID and password.

Specifications

Instruments supported by VISULOG

AOIP acquisition systems	AOIP measuring and calibrating instruments	Further instruments
FD 5 / 10 / 15 DATALOG 20 / 90 / 140 SA 32 TM 6640 / 6650 PC10 SA 20 / 70 / 120 TRN / ITI	CALYS 75 / 100 / 150 THERMYS 150 CALYS 1000 / 1200 PHP 601 / 602 PJ 6301 CMU 310	Calibration baths and dry blocks of brands: ISOTECH, Ametek and HART MODBUS instruments OPC servers

General spécifications

Minimum hardware configuration	- PC computer with Windows® 95, 98, Me, NTA, 2000, XP - 128 Mb of RAM (512 Mb recommended) - 1 Gb of available disk space (20 Gb recommended) - Minimum display resolution 800 x 600 minimum (1024 x 768 recommended) - An available RS232 serial port
Use with several instruments	If VISULOG has to communicate with several instruments, the latter can be connected to the various RS232 or RS485 ports available.
Software license	VISULOG grants a fully functional trial license for a period of 30 days from the date of first installation. The number of remaining days is displayed at the bottom of the About VISULOG dialogue box. VISULOG is copy-protected by a user license system which allows software installation on only one computer. To install VISULOG on several computers, several licenses must be purchased.

Models and accessories

For all instruments except FD 5 / 10 / 15, PC 10 and T2RN:

Software and optional modules:

VISULOG   Monitoring & data processing software full version – 1 licence

VISULOG-ETAL   Monitoring & data processing software full version – 1 licence

      + Calibration module

VISULOG-PHARMA Monitoring & data processing software full version – 1 licence

      + Module for advanced management of access rights, 21 CFR Part 11 compliant

VISULOG-ETAL-PHARMA   Monitoring & data processing software full version – 1 licence

      + Calibration module

      + Module for advanced management of access rights, 21 CFR Part 11 compliant

Software licenses :

LIC VISU   Additional license for VISULOG

LIC VISU ETAL   Additional license for VISULOG with ETAL optional module

LIC VISU PHARMA   Additional license for VISULOG with PHARMA optional module

LIC VISU ETAL PHARMA   Additional license for VISULOG with ETAL and PHARMA optional module

LIC VISULOG WEB   License for VISULOG WEB

For FD 5 / 10 / 15, PC 10 and T2RN:

Software and optional modules:

VISULOGTM   Monitoring & data processing software light version – 1 licence

VISULOGTM-ETAL   Monitoring & data processing software light version – 1 licence

      + Calibration module

VISULOGTM-PHARMA   Monitoring & data processing software light version – 1 licence

      + Module for advanced management of access rights, 21 CFR Part 11 compliant

VISULOGTM-ETAL-PHARMA   Monitoring & data processing software light version – 1 licence

+ Calibration module

+ Module for advanced management of access rights, 21 CFR Part 11 compliant

Software licences:

LIC VISU TM   Additional license for VISULOGTM

LIC VISU TM ETAL   Additional license for VISULOGTM with ETAL optional module

LIC VISU TM PHARMA   Additional license for VISULOGTM with PHARMA optional module

LIC VISU TM ETAL PHARMA   Additional license for VISULOGTM with ETAL and PHARMA optional module