

VISULOG



Acquisition

Control

Monitoring

Traceability

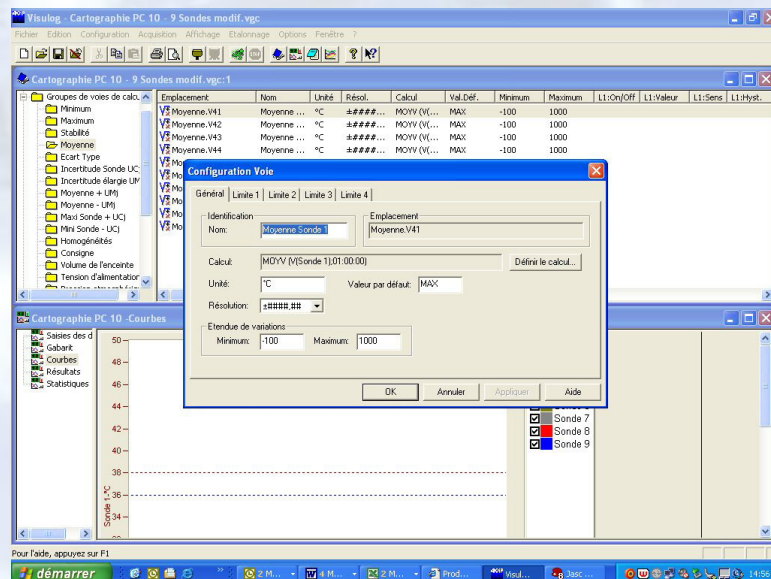


VISULOG: traceability , monitoring and acquisition management software

VISULOG is a wonderful and simple tool to complete the AOIP's data logging systems range

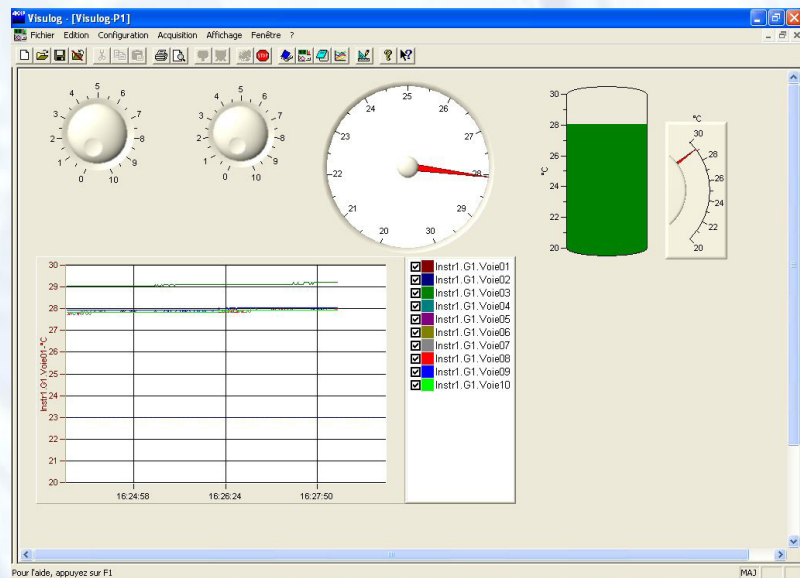
It allows acquisition on a computer on more than 5000 channels, and provides calculation channels, for statistics and advanced calculation as, for instance, needed in ovens mapping

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



Build your own screen

Measurements can be displayed list of results, curves, bargraphes and high definition mimic diagrams
Pictures or schematic of you 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 other software. Alarms can be also defined by the user. These alarms can generate pop up , emails to one or several users

VISULOG and 21CFRPart 11 (FDA Standard)

The visulog software can be configured to fulfil all the 21CFR PART11 requests.

Security management

Login; passwords

3 levels: administrator, super user
User

Each level with special rights

Passwords wil automatically
expire unless renewed
within a configurable time

User accounts are disabled
after a number of failed
login attempt and failure are
logged into the audit trail

Results files are stored in a
Visulog format *.vgc

Alarms validation are submit
to signatures



Audit trail:

all the events are recorded in a
protected file:
connections, disconnections, alarms
appearance alarm clearance,
configuration modifications
result readings,....

Déclaration d'un utilisateur

Nom:

Identifiant:

☒ Administrateur (gestion des comptes utilisateurs)
☒ SuperUtilisateur (configuration de Visulog)

Membre des groupes:

☒ Group1
☐ Group2
☐ Group3
☐ Group4
☐ Group5

Définition des attributs de sécurité

Durée maximale de validité du mot de passe (en jours):

Nombre maximal de Tentatives pour la saisie du mot de passe:

Taille minimale d'un mot de Passe:

Délai de déconnexion automatique si aucune activité (en mn):

Interdiction de connexion après un échec:

☐ Illimitée (intervention obligatoire de l'administrateur)
☒ Durée de l'interdiction (en mn):

☐ Nom de l'utilisateur et date sur toutes les impressions
☐ Interdire le Basculement vers une autre application
☐ Interdire l'écrasement des Fichiers de configuration ou de résultats
☐ Vérifier le mot de passe à chaque acquittement d'alarme ou modification de config.
☐ Générer un fichier de Piste pour Audit

Date	Evénement	Paramètres	Opérateur	Commentaire
2007/04/16 13:16	Apparition Alarme	@bdr1.G1.Via001.L1...		
2007/04/16 13:16	Modif. Config. Voe	Tretr1.G1.Via001.L1...		">"
2007/04/16 13:16	Modif. Config. Voe	Tretr1.G1.Via001.L1...		">"
2007/04/16 13:16	Modif. Config. Voe	Tretr1.G1.Via001.L1...		">"
2007/04/16 13:16	Modif. Config. Voe	Tretr1.G1.Via001.L1...		">"
2007/04/16 13:16	Modif. Config. Voe	Tretr1.G1.Via001.L1...		">"
2007/04/16 13:50	Nouveau Fichier de Ré...	sa702004-06-14-2-2...		
2007/04/16 14:48	Arrêt de l'acquisition			
2007/04/16 14:51	Changement d'indica			
2007/04/16 15:00	Lancement de l'acqui...	@bdr1.G1.Via001.L1...		
2007/04/16 15:01	Apparition Alarme			
2007/04/16 15:09	Arrêt de l'acquisition			
2007/04/16 17:19	Changement d'indica			
2007/04/16 17:26	Lancement de l'acqui...	@bdr1.G1.Via001.L1...		
2007/04/16 17:28	Apparition Alarme	@bdr1.G1.Via001.L1...		
2007/04/16 17:57	Nouveau Fichier de Ré...	sa702004-06-14-2-2...		
2007/04/16 22:18	Modif. Config. Voe	Tretr1.G1.Via001.Ma...		"100">"10"
2007/04/16 22:18	Modif. Config. Voe	Tretr1.G1.Via001.Ma...		"100">"50"
2007/04/16 22:27	Modif. Config. Voe	Tretr1.G1.Via001.Ma...		"100">"50"
2007/04/16 22:27	Modif. Config. Voe	Tretr1.G1.Via001.Ma...		"100">"10"
2007/04/16 22:36	Modif. Config. Voe	Tretr1.G1.Via001.Ma...		"100">"10"
2007/04/16 22:36	Modif. Config. Voe	Tretr1.G1.Via001.Ma...		"100">"50"
2007/04/16 22:44	Modif. Config. Voe	Tretr1.G1.Via001.Ma...		"100">"50"
2007/04/16 22:44	Modif. Config. Voe	Tretr1.G1.Via001.Ma...		"100">"50"
2007/04/16 22:53	Modif. Config. Voe	Tretr1.G1.Via001.Ma...		"100">"10"
2007/04/16 22:53	Modif. Config. Voe	Tretr1.G1.Via001.Ma...		"100">"50"
2007/04/16 22:59	Modif. Config. Voe	Tretr1.G1.Via001.Ma...		"100">"10"
2007/04/16 22:59	Modif. Config. Voe	Tretr1.G1.Via001.Ma...		"100">"50"
2007/04/16 23:05	Modif. Config. Voe	Tretr1.G1.Via001.Ma...		"100">"10"
2007/04/16 23:05	Modif. Config. Voe	Tretr1.G1.Via001.Ma...		"100">"50"
2007/04/16 23:05	Modif. Config. Voe	Tretr1.G1.Via001.Ma...		"100">"50"
2007/04/16 23:12	Modif. Config. Voe	Tretr1.G1.Via001.Ma...		"100">"10"
2007/04/16 23:12	Modif. Config. Voe	Tretr1.G1.Via001.Ma...		"100">"50"
2007/04/16 23:19	Modif. Config. Voe	Tretr1.G1.Via001.Ma...		"100">"10"
2007/04/16 23:19	Modif. Config. Voe	Tretr1.G1.Via001.Ma...		"100">"50"
2007/04/16 23:25	Modif. Config. Voe	Tretr1.G1.Via001.Ma...		"100">"10"
2007/04/16 23:25	Modif. Config. Voe	Tretr1.G1.Via001.Ma...		"100">"50"
2007/04/16 23:25	Modif. Config. Voe	Tretr1.G1.Via001.Ma...		"100">"50"

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

Sensors Calibration

Each sensor can be calibrated against a standard. All the corrections can be integrated into the datalogging system.

Autoclave validation

Thanks to the calibration facility, autoclave validation can be performed with the Visulog software:

Process description:

- Pre calibration of the temperature sensor, adjustment into the data-logging system, before the validation.
- Autoclave validation
- Post calibration of the thermal sensors

MONITORING: monitoring of chambers in a pharmaceutical/medical installation in order to verify the nondrift of chambers and to grant the traceability.

The screenshot shows the 'Procédure d'étalonnage' window with the 'Référence' tab selected. The 'Nom de la procédure' is 'Etalonnage N° 11'. The 'Méthode d'étalonnage' is 'Comparaison à une chaîne de référence'. Under 'Chaîne de Référence', 'Indicateur visuel' is selected with 'PHP 601 + AN5850'. A list of sondes (Sonde 1 to Sonde 9) is shown with checkboxes. Under 'Générateur', 'Manuel' is selected with 'Four Hypérior'. The 'Voie Générateur' is empty. Buttons for 'OK', 'Annuler', and 'Aide' are at the bottom.The screenshot shows the 'Procédure d'étalonnage' window with the 'Points d'étalonnage' tab selected. The 'Avant détection stabilité' section has 'Temps d'établissement du Générateur' set to 30 mn. The 'Critères de détection de stabilité autour du point de consigne' section has 'Validation' set to 'Manuelle', 'Période de mesure' set to 60 s, 'Plage de variation admise' set to 0.5 U, 'Ecart maximal par rapport à la consigne' set to 1 U + 2 %, and 'Temps minimal de stabilité' set to 10 mn. The 'Après validation stabilité' section has 'Période de mesure après stabilité' set to 60 s and 'Nombre de relevés de mesure' set to 3. The 'Après étalonnage' section has 'Consigne de repos' set to 37 U. Buttons for 'OK', 'Annuler', and 'Aide' are at the bottom.

Mapping of thermal chamber, climatic chambers and storage room

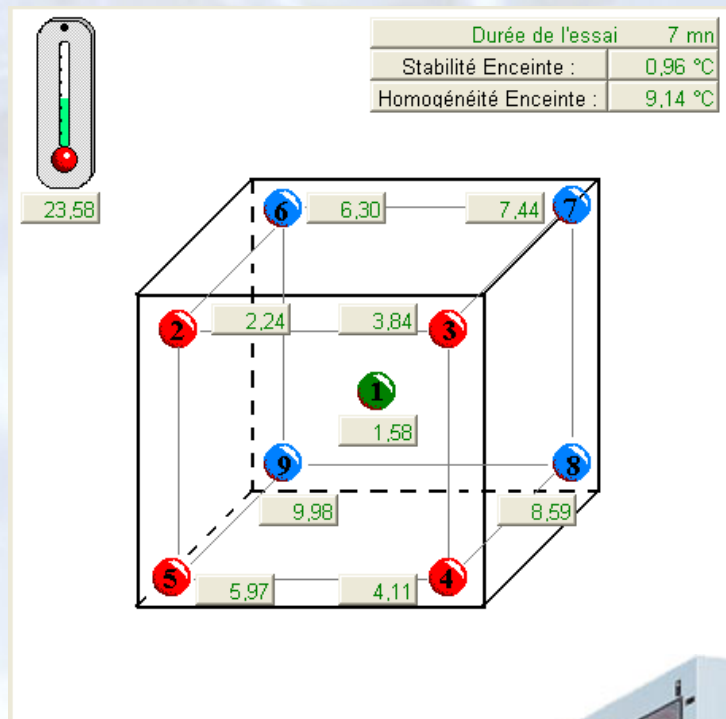
Visulog can perform online the mapping of a chamber or a storage room.

This allows to define precisely the characteristics for the room in terms of stability, homogeneity, and thermal differences.

Storage room

In case of storage, according to the specification of the stored products, it is important to know the temperature difference, and the global behaviour of the room.

Once the sensor are placed; it can also help to perform the real time monitoring on the storage room on the supervisor desktop



Climatic and thermostatic chambers

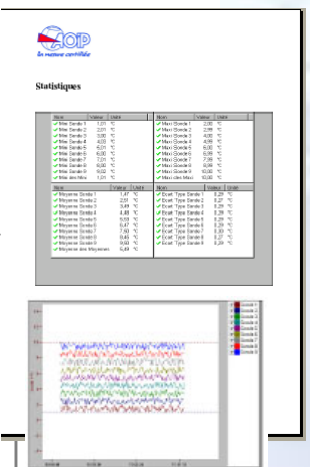
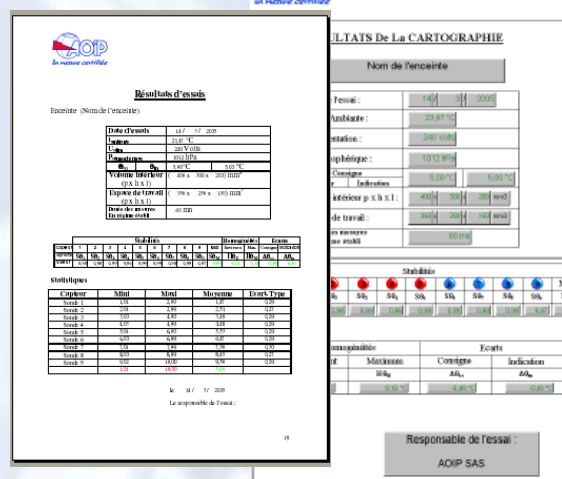
Visulog mapping facilities will perform all the necessary treatments according the standard NF X15-140: For each sensor and between all te sensors, calculation of stability, homogeneity, maximum, minimum, mean, standard deviation.

Deviation to the setpoint, and deviation to the indicator will be also taken into account.

The Visulog mapping program, is already established for chambers, with volume below 2m3 and between 2 m3 and 20m3.

Mapping of climatic chambers requires use of humidity sensor. At the end of the test a report can be edited. Of course all data are saved inot the computer.

Test report (example)



Our complete solution for data acquisition

Datastorage solution from 1 to 300 inputs

Single input with wire or radiofrequency transmission

Video recorder

Modular and stand alone systems



Our solutions for calibration



Dry blocks and ovens

Calibrators for your process maintenance

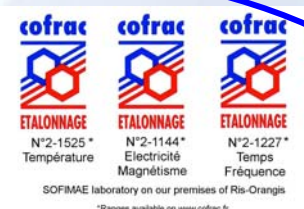
Pressure calibrators

Standard probes

Temperature sensors



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