insight Acquisition System (iAS)

Continuous & Batch Data Logging Applications

Data Loggers

PLC / HMI

PID Controllers

Serial Devices

Stability Chambers
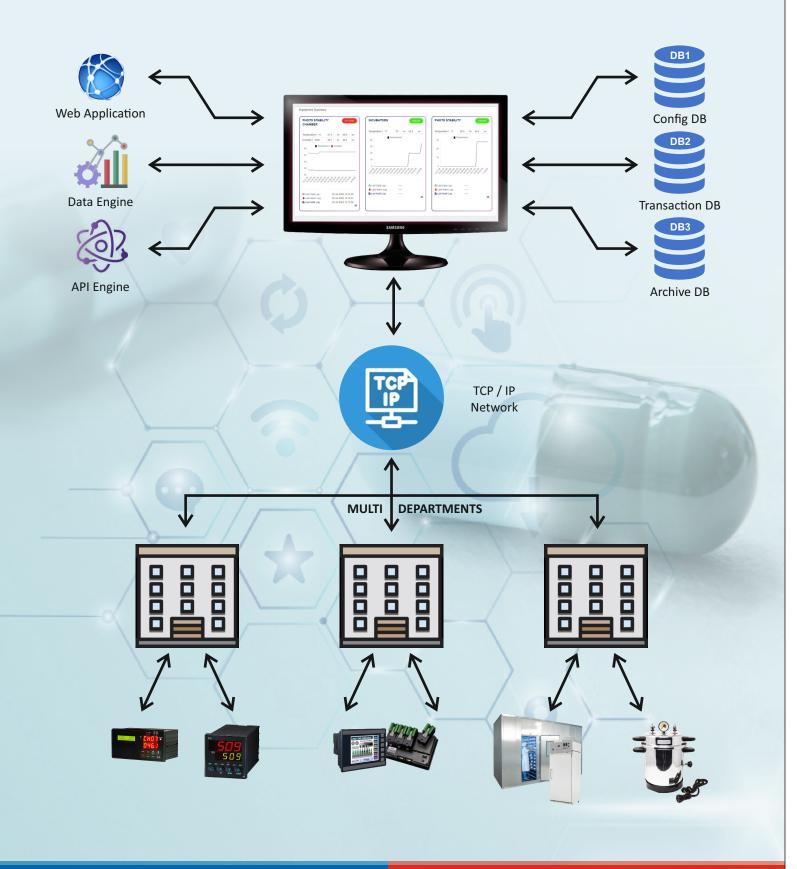
Cold Rooms

Autoclaves

21 CFR Part 11 Data Logging Application for Temperature, Humidity, or any other Environmental Parameters

insight Acquisition System (iAS)

| Client-Server Architecture | Browser Based | Cloud Ready | Base Ready Solution |

Introduction:

DreamSoft's insight Acquisition System (iAS) is a Base Ready Application which can communicate with Data Loggers, PLC's, HMI's with TCP/IP or FTP Protocol for Logging Temperature, Humidity or any other Environmental Parameters. This Base Ready Product is for Manufacturers of Stability Chambers, Data Loggers, Scanners, Controllers, Cold Room Manufacturers etc. It's a Browser Based Application with Client-Server Architecture. Application gets installed on a Centralized Server along with the Background Services required for pulling Data from Machines Connected in various Network Nodes in multiple Departments. Data Pulled from multiple Machines can be viewed from any Client Node using Server's IP Address. In Multi Department Mode, Access Rights to users can be given Department Wise. This application is future scalable for hosting on Cloud.

Optional Modules:

Biometric Interface

Multilingual

API Integration

Active Directory Integration

Batchwise Data Analysis

APP Interface

Salient Features:

- Multiple Equipment Configuration
- Password Protection with Alpha Numeric Password with min 8 characters
- Password Ageing
- Username and Password Encryption
- Wrong Password attempt account locking
- User Access Levels
- Department Access Levels
- User Audit Trails at Each Event
- Settable PID Parameters
- Equipment RTC Sync Facility
- SMS and Email Alert for Alarms
- Real Time Summary and Real Time Display
- Input / Output Status Display

- System Diagnostics for Services and Equipment Status
- Review Data Log
- Approve Data Log
- Digital Acknowledgement of Alarms with Audit Trails
- Audit Trails for User, Equipment, SMS and Email
- Auto and Manual Backup
- Data Archive with Archive Analysis
- History Log Analysis
- Dashboard with Live Equipment Status
- White Labelled Solution without our Name and Details
- Application is compatible as per 21 CFR Part 11 Guidelines
- Settable Parameters Such as Temperature & Humidity Set Value (SV), Lower Limit (LL) and Upper Limit (UL) along with Log Intervals.
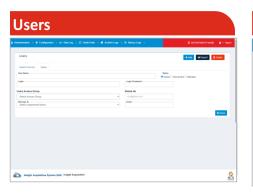
Log in Screen

Home Screen

Access Group

Users

Application Configuration

Email / SMS Configuration

Email / SMS User Configuration

Backup

Application Diagnostics - Equipment Status

Application Diagnostics - Application Log

Equipment Configration

Equipment Configuration-FTP

Equipment Parameters

Equipment RTC

Equipment FTP

Administrator > Change Password

Data Log Report

	COMPANY NAME		
Client Logo	PLANT NAME		
	QA Department		

Data Log

Department	DEPARTMENT NAME		
Filter From	02-Feb-2023 00:00	Filter To	16-Mar-2023 18:20
Records From	02-Feb-2023 00:00	Records To	02-Feb-2023 16:48
Equipment	Cold Room Humidity CH 2		
Temperature	Low Alarm 23.7	High Alarm	27.7
Humidity %RH	Low Alarm -2.1	High Alarm	78.9

Sr. No.	Log Date	Log Time	Temp SV	Temp PV	CH2	RH SV	RH PV	CH2
1	02-Feb-2023	00:00	25.7	25.7	0	75.9	75.9	0
2	02-Feb-2023	00:01	25.7	25.7	0	75.9	75.9	0
3	02-Feb-2023	00:02	25.7	25.7	0	75.9	75.9	0
4	02-Feb-2023	00:03	25.7	25.7	0	75.9	75.9	0
5	02-Feb-2023	00:04	25.7	25.7	0	75.9	75.9	0
6	02-Feb-2023	00:05	25.7	25.7	0	75.9	75.9	0
7	02-Feb-2023	00:06	25.7	25.7	0	75.9	75.9	0
8	02-Feb-2023	00:07	25.7	25.7	0	75.9	75.9	0
9	02-Feb-2023	00:08	25.7	25.7	0	75.9	75.9	0
10	02-Feb-2023	00:09	25.7	25.7	0	75.9	75.9	0
11	02-Feb-2023	00:10	25.7	25.7	0	75.9	75.9	0

Data Log Report - Graph

Data Log Report - Summary

	COMPANY NAME		
Client Logo	PLANT NAME		
	QA Department		

Data Log

Department	DEPARTMENT NAME		
Filter From	02-Feb-2023 00:00	Filter To	16-Mar-2023 18:20
Records From	02-Feb-2023 00:00	Records To	02-Feb-2023 16:48
Equipment	Cold Room Humidity CH 2		
Temperature	Low Alarm 23.7	High Alarm	27.7
Humidity %RH	Low Alarm -2.1	High Alarm	78.9

Channel Name	CH	Minimum	Maxmum	Average	Channel Name	CH	Minimum	Maxmum	Average
Temperature	CH1	25.7	25.7	25.70	Humidity	CH1	75.9	75.9	75.90
Temperature1	CH2	0	0	0.00	Humidity1	CH2	0	0	0.00

SMS Alarm Text

Email Alarm Text

System Email<smtp@yourdomainname.com>
To receipient@domainname.com

Eq_1
CHAMBER THERMOSTAT CUT OFF
Jan 11 2023 7:36PM

Thanks & Regards,
Plant Name,
Department Name

Alarm Audit Trial

Sr. No	Log Date Time	Equipment Name	Alarm Description	Ack Date Time	Login Name	Comments
1	24-02-2020 08:00:00	EQUIPMENT 1	TEMPERATURE 8 LOW	27-02-2020 19:00:00	Admin	
2	25-02-2020 08:00:00	EQUIPMENT 1	TEMPERATURE 8 LOW	27-02-2020 19:00:00	Admin	
3	27-02-2020 02:35:00	EQUIPMENT 1	TEMPERATURE 8 LOW	27-02-2020 19:00:00	Admin	
4	27-02-2020 19:00:00	EQUIPMENT 1	TEMPERATURE 8 LOW	27-02-2020 19:00:00	Admin	
5	28-02-2020 02:45:00	EQUIPMENT 1	TEMPERATURE 8 LOW	27-02-2020 19:00:00	Admin	
6	28-02-2020 19:05:00	EQUIPMENT 1	TEMPERATURE 8 LOW	12-05-2020 18:07:09	admin	Alarm Ack Nirav Buch
7	28-02-2020 19:52:00	EQUIPMENT 1	ALARM CODE 115 NOT CONFIGURED	12-05-2020 18:07:09	admin	Alarm Ack Nirav Buch
8	29-02-2020 17:20:00	Equipment_53_HC	TEMPERATURE 8 LOW	17-03-2020 18:39:44	admin	ug
9	29-02-2020 20:10:00	Equipment_53_HC	ALARM CODE 57 NOT CONFIGURED	17-03-2020 18:39:44	admin	ug

Email Audit Trail

Sr. No	Log Date Time	Equipment Name	Email Address	Email Message	Status
1	17-03-2020 19:33:02	Equipment_53_HC	golkul@dreamsoftindia.com	Dear User ALARM ALERT FOR Equipment_53_HC ALARM EVENT: - TEMPERATURE 1 WITHIN RANGE ON 2020-03-17 18:35:00 Regards Email Alert System	Failed
2	17-03-2020 19:33:02	Equipment_53_HC	golkul@dreamsoftindia.com	Dear User ALARM ALERT FOR Equipment_53_HC ALARM EVENT: - TEMPERATURE 2 WITHIN RANGE ON 2020-03-17 18:35:00 Regards Email Alert System	Failed

Equipment Audit Trail

Sr. No	Log Date Time	Equipment Name	Login Name	Parameter	Old Value	New Value	Comments
1	29-02-2020 15:15:33	Equip2	admin	EQUIPMENT ADDITION			test
2	29-02-2020 17:12:50	EQUIPMENT 1	admin	EQUIPMENT STATUS	Active	Not Active	nfign
3	29-02-2020 17:13:37	Equipment_53_HC	admin	EQUIPMENT ADDITION			New Equipment Added
4	29-02-2020 18:19:00	Equipment_53_HC	admin	Humidity SV (% RH)	60.0		Humidity
5	03-03-2020 19:37:37	EQUIPMENT 1	admin	EQUIPMENT IP ADDRESS	192.168.0.53	192.168.0.56	fkldfns
6	03-03-2020 19:37:37	EQUIPMENT 1	admin	EQUIPMENT STATUS	Not Active	Active	fkldfns
7	03-03-2020 19:37:49	Equip2	admin	EQUIPMENT STATUS	Not Active	Active	mtight
8	16-03-2020 17:02:17	EQUIPMENT 1	admin	BOILER CIRCUIT FAIL		SMS Enabled	Email & SMS
9	16-03-2020 17:02:17	EQUIPMENT 1	admin	COMMUNICATION FAIL		Email Enabled	Email & SMS
10	16-03-2020 17:03:21	EQUIPMENT 1	admin	COMMUNICATION FAIL	SMS Enabled	SMS Disabled	Email & SMS

MKT Analysis

			Temperature (° C)															
Sr. No.	Start Date	End Date	CH1			CH2			CH3			CH4			CH5			CH6			CH7			CH8		
			Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	...
1	02-03-2020	02-03-2020	24.7	26.4	24.7	24.7	28.7	26.9	24.5	30.0	27.1	...
	MKT (° C)		26.85			27.05			27.25			26.65			-273.00			-273.00			-273.00			-273.00		
	Avg Temp (° C)		26.70			26.90			27.10			26.50			-99.90			-99.90			-99.90			-99.90		
	Deviation Temp (° C)		0.15			0.15			0.15			0.15			-173.10			-173.10			-173.10			-173.10		

SMS Audit Trail

Sr. No	Log Date Time	Equipment Name	Mobile No	SMS Message	Status
1	14-03-2020 10:09:16	EQUIPMENT 1	9821174015	TEMPERATURE 1 HIGH	Failed
2	14-03-2020 10:09:16	EQUIPMENT 1	921612262	TEMPERATURE 1 HIGH	Failed
3	14-03-2020 10:09:16	EQUIPMENT 1	9870310606	TEMPERATURE 1 HIGH	Failed
4	14-03-2020 10:09:16	Equipment 53_HC 23	9870310606	TEMPERATURE 1 LOW	Failed

User Audit Trail

Sr. No	Log Date Time	Login Name	Event
1	01-03-2020 20:03:35	SYSTEM	COMMUNICATION FAILURE FOR EQUIPMENT NO 23
2	01-03-2020 20:57:51	admin	USER LOGGED IN SUCCESSFULLY
3	01-03-2020 21:51:30	admin	USER EXITED APPLICATION
4	01-03-2020 22:08:50	admin	USER LOGGED IN SUCCESSFULLY
5	01-03-2020 22:43:45	admin	USER LOGGED IN SUCCESSFULLY

View Approve Log

Temperature LL: - 10.0   Temperature UL: - 65.5   Humidity LL: - 0.0   Humidity UL: - 100.0

Sr. No	From Date Time	To Date Time	Log Type	Date Time	Login Name	Comments
1	29-02-2020 18:45	29-02-2020 19:40	Review	18-03-2020 19:24:50	admin	Reviewed
			Approve	18-03-2020 19:25:57	admin	Approved

View Data Log

Data Log Report

Filter From	: - 25-02-2020 00:00	Filter To	: - 10-04-2020 23:59
Records From	: - 17-03-2020 14:20	Records To	: - 20-03-2020 19:15
Equipment	: - Equipment_53_HC		

Sr. No	Log Date Time	Temperature (° C)		Humidity (%RH)	
		SV	CH1	SV	CH1
1	17-03-2020 14:20:00	40.0	29.8	40.0	58.4
2	17-03-2020 14:25:00	40.0	29.8	40.0	57.2
3	17-03-2020 14:30:00	40.0	29.8	40.0	58.3
4	17-03-2020 14:35:00	40.0	30.0	40.0	56.4
5	17-03-2020 14:40:00	40.0	30.0	40.0	53.0

insight Acquisition System (iAS)

| Desktop Based Application | Light Architecture | Easy to Install |

PID Controllers

Data Loggers

PLC / HMI

Serial Devices

21 CFR Part 11 Data Logging Application for Temperature, Humidity, or any other Environmental Parameters

Introduction:

DreamSoft's Insight Acquisition System (iAS) is a Base Ready Application which can communicate with Data Loggers, PLC's, HMI's with TCP/IP or Serial Protocol for Logging Temperature, Humidity, or any other Environmental Parameters.This Base Ready Product is for Manufacturers of Stability Chambers, Data Loggers, Scanners, Controllers etc. Application is base ready available in Desktop and Browser Mode.

Salient Features:

- Multiple Equipment Configuration
- Password Protection with Alpha Numeric Password with min 8 characters
- Password Ageing
- Username and Password Encryption
- Wrong Password attempt account locking
- Auto Log out of no activity done
- User Access Levels
- User Audit Trails at Each Event
- Settable Parameters such as Temperature SV, LL and UL, Humidity SV, LL and UL along with Log Intervals
- Settable PID Parameters
- Equipment RTC Sync Facility
- SMS and Email Alert for Alarms
- Real Time Summary and Real Time Display
- Input / Output Status Display
- System Diagnostics for Services and Equipment Status
- Review Data Log
- Approve Data Log
- Digital Acknowledgement of Alarms with Audit Trails
- Audit Trails for User, Equipment, SMS and Email
- Auto and Manual Backup
- Data Archive with Archive Analysis
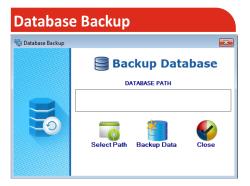- Application is compatible as per 21 CFR Part 11 Guidelines

Log in Screen

LOGIN NAME
PASSWORD
Login Close

Home Screen

Administration Configuration Real Time Data Log Alarm Log Audit Trails Archive Analysis

Login Name : - Administrator

User Access Group

User Access Group |◄ ◄ Add Save Delete Find Refresh Close ► ►|

GROUP DETAILS
Group Name*
Group Detail

From Menu	View	Add / Create	Modify / Update	Delete	Print
Administration					
User Access Group	☐	☐	☐	☐	
Application Users	☐	☐	☐	☐	
Application Setup	☐				
Database Backup	☐				
Archive Restore	☐				
SMTP Config	☐				
SMS Comm Config	☐				
Configuration					
Equipment Config	☐	☐	☐		
Equipment Parameter	☐		☐		
Equipment Settings	☐				
Equipment RTC	☐				
Email SMS User	☐				
Email SMS Config	☐				
Data Log					
View Data Log					

Application User

Application Users |◄ ◄ Add Save Delete Find Refresh Close ► ►|

User Name*
Login Name*
Password*
User Group* Select User Group
Password Freq* Months (Min 1 to Max 99)
Status ⦿ Active ○ Not Active ○ Blocked

Application Setup

Application Setup

Company Name* ABC Company
Department Name* RND1
Header Note * 105, Udyog Bhavan, Xe Compound, Lower Parel (West),Opp Big Bazar Mumbai
Footer Note * 105, Udyog Bhavan, Xe Compound, Lower Parel (West),Opp Big Bazar Mumbai
Auto DB Backup * D:\
User Lock Count* 4 Auto Logout Time * 5
Email SMS Time Delay * 60 Minutes (Min 1 to Max 999)

Browse Logo
200 px x 100 px
☐ Display Logo
☐ Select Folder Path

Save Close

Database Backup

Database Backup

Backup Database
DATABASE PATH

Select Path Backup Data Close

Archive Restore

Archive Restore

Restore Database
RESTORE PATH

Select Path Restore Data Close

SMS Comm Config GSM Modem

SMS Comm Config

⦿ GSM Modem ○ SMS URL

Comm. Port COM7
Baud Rate 9600
Parity None
Data Bits 8
Stop Bits 1

Check Comm. Port

Save Close

SMS Comm Config Web URL

SMS Comm Config

○ GSM Modem ⦿ SMS URL

SMS URL
http://smsadmin.dreamsoftindia.com/vendorsms/pushsms.aspx?user=ndbdasa&password=ndbdasa&msisdn={MobileNo}&sid=DASAPV&msg={Message}%20message&fl=0&gwid=2

SMS Response "ErrorMessage":"Success"
Test Mobile No. e.g. +919821111111

Send Test SMS

Save Close

SMTP Config

SMTP Config

SMTP Address * mail.dreamsoftindia.com
SMTP Email* test@dreamsoftindia.com
SMTP Authentication ⦿ Yes ○ No
SMTP User test-dreamsoftindia
SMTP Password ************
SMTP Port 2525
SMTP SSL Enabled ○ Yes ⦿ No
Test Email Send Test Mail
Signature Regards
Email Alert System

Save Settings Refresh Close

Equipment Config

Equipment Config

Equipment Master |◄ ◄ Add Save Delete Find Refresh Close ► ►|

Equipment Name* Equipment_53_HC Equipment Status ⦿ Active ○ Not Active
Equipment Type* Humidity Chambers (8 CH)
IP Address* 192 . 168 . 0 . 53

Equipment Parameter

Equipment Parameter

Equipment Name Equipment_53_HC ☐ Check All Save Settings Close

Parameter Name & Code		Graph Color	Axis	Unit	Resol.
☐ Temperature 1	T1	Blue	Primary	°C	0.1
☐ Humidity 1	H1	Red	Primary	% RH	0.1
☐ Temperature 2	T2	Green	Primary	°C	0.1
☐ Humidity 2	H2	Black	Primary	% RH	0.1
☐ Temperature 3	T3	Brown	Primary	°C	0.1
☐ Humidity 3	H3	Purple	Primary	% RH	0.1
☐ Temperature 4	T4	Gray	Primary	°C	0.1
☐ Humidity 4	H4	Orange	Primary	% RH	0.1
☐ Temperature 5	T5	Maroon	Primary	°C	0.1

Equipment Settings

Equipment Settings

Equipment Name TH6
Parameter Level Set Values ☐ Check All Get Settings Save Settings Close

☐ Temperature SV (°C)	60.0	☐ Temperature LL (°C)	55.0
☐ Temperature UL (°C)	65.0	☐ Humidity SV (% RH)	80
☐ Humidity LL (% RH)	75.0	☐ Humidity UL (% RH)	85.0
☐ Log Interval (mins)	1		

Equipment Settings PID

Equipment Settings

Equipment Name Equipment_53_HC
Parameter Level PID Settings ☐ Check All Get Settings Save Settings Close

☐ Temperature KP	23	☐ Temperature TI	20
☐ Temperature TD	21	☐ Temperature Cycle Time	3
☐ HUmidity KP	18	☐ Humidity TI	17
☐ Humidity TD	14	☐ Humidity Cycle Time	4

Equipment RTC

Equipment RTC

Equipments

☑ Equipment_53_HC

QE - ADCTS 1.0
ⓘ RTC SYNC COMMAND INTIALISED
OK

2020-04-03 03:38:01

Sync RTC Close

Email and SMS Users

Email SMS User

SMS System ● Enabled ○ Disabled

Mobile No 1 * +91837944467   Mobile No 2 +919823986013
Mobile No 3 +919052264439   Mobile No 4 +918369707201
Mobile No 5 +919070810128   e.g +919021111111

Email System ● Enabled ○ Disabled

Email Address 1 * prathamesh@dreamsoftindia.com   Email Address 2 gokul@dreamsoftindia.com
Email Address 3 umesh@dreamsoftindia.com   Email Address 4 projects@dreamsoftindia.com
Email Address 5   e.g yourname@domainname.com

Save   Close

Alarm Configuration for Email & SMS

Email SMS Config

Equipment Name Equipment_53_HC   Save Settings   Close

Alarm Description	SMS Status	Email Status
BH CHANGE OVER	☐	☐
BOILER CIRCUIT FIAL	☑	☑
CO CHANGE OVER	☐	☐
CO2 CIRCUIT FAIL	☐	☐
COMMUNICATION FAIL	☐	☐
COMMUNICATION FAIL	☐	☑
CRITICAL ALARM	☐	☐
DH HEATER CKT. FAIL	☐	☐
DOOR ACCESS USER 1	☐	☐
DOOR ACCESS USER 2	☐	☐
DOOR ACCESS USER 3	☐	☐
DOOR ACCESS USER 4	☐	☐
DOOR ACCESS USER 5	☐	☐
DOOR ACCESS USER 6	☐	☐
DOOR CLOSE	☐	☐
DOOR OPEN	☐	☐
LT TRIP	☐	☐
MAINS FAIL	☐	☐

Real Time Summery

REAL TIME SUMMARY

Equipment_53_HC   Online

	SV	PV
Temperature °C	28.0	30.5
Humidity % RH	50.0	57.6

Real Time Display

Equipment Name* TH6   Online   Ladgends   Getting Data...   Close

SV CH1 CH2 CH3 CH4 CH5 CH6
TEMPERATURE (°C) 0.0 1.6 1.7 1.8 1.9 2.0 2.1
HUMIDTY (%RH) 60 2.2

Quality Equipment - 08-04-2020 12:18:04

Application Setup

Application Setup

Company Name* ABC Company
Department Name* RND1
Header Note * 105, Udyog Bhavan, Xe Compound, Lower Panel (West), Opp Big Bazar, Mumbai
Footer Note * 105, Udyog Bhavan, Xe Compound, Lower Panel (West), Opp Big Bazar, Mumbai
Auto DB Backup * D:\
User Lock Count* 4   Auto Logout Time * 5
Email SMS Time Delay * 60   Minutes (Min 1 to Max 999)

Browse Logo
200 px x 100 px
☑ Display Logo

Select Folder Path

Save   Close

System Diagnosis

System Diagnosis

Stop Monitoring   Restart Service   Close

Service Status   Equipment Status

Sr. No	Service Description	Date Time	Status
1	Equipment Write	2020/04/06 12:50:05	WAITING FOR WRITE EVENT
2	Real Time	2020/04/06 12:50:05	POLLING REAL TIME
3	IO Status IP	2020/04/06 12:50:06	POLLING INPUTS 0
4	IO Status OP	2020/04/06 12:50:06	POLLING OUPUTS
5	Auto BackUp	2020/04/06 12:29:20	WAITING FOR WRITE EVENT
6	DB Connection	2020/04/06 12:29:18	DB CONNECTION SUCESSFUL AT 2020/04/06 12:29:18

Analysis Reports

View Data Log

Equipment Name Equipment_53_HC   Close

From Date & Time 02/04/2019 00:00:00   To Date & Time 03/04/2020 23:59:59

Parameters
☑ Temperature 1   ☑ Humidity 1
☐ Temperature 2   ☐ Humidity 2
☐ Temperature 3   ☐ Humidity 3
☐ Temperature 4   ☐ Humidity 4
☐ Temperature 5   ☐ Humidity 5
☐ Temperature 6   ☐ Humidity 6
☐ Temperature 7   ☐ Humidity 7
☐ Temperature 8   ☐ Humidity 8

View Data Log

View Alarms

View Alarms

Equipment Name Equipment_53_HC   ☐ Check All ☑ Acknowledge Alarm   View   Close

Log Date time	Alarm Event
2020-02-28 19:05	TEMPERATURE 8 LOW
2020-02-28 19:52	ALARM CODE 115 NOT CONFIGURED
2020-02-28 19:52	ALARM CODE 116 NOT CONFIGURED
2020-02-28 19:52	ALARM CODE 117 NOT CONFIGURED
2020-02-28 19:52	ALARM CODE 118 NOT CONFIGURED
2020-02-28 20:02	ALARM CODE 30 NOT CONFIGURED
2020-02-28 20:02	ALARM CODE 32 NOT CONFIGURED
2020-02-28 20:02	ALARM CODE 34 NOT CONFIGURED
2020-02-28 20:02	ALARM CODE 36 NOT CONFIGURED
2020-02-28 20:02	ALARM CODE 30 NOT CONFIGURED
2020-02-28 20:02	ALARM CODE 32 NOT CONFIGURED
2020-02-28 20:02	ALARM CODE 34 NOT CONFIGURED
2020-02-28 20:02	ALARM CODE 36 NOT CONFIGURED
2020-02-28 20:02	ALARM CODE 36 NOT CONFIGURED
2020-03-17 18:35:00	TEMPERATURE 1 WITHIN RANGE
2020-03-17 18:35:00	TEMPERATURE 2 WITHIN RANGE
2020-03-17 18:35:00	TEMPERATURE 3 WITHIN RANGE
2020-03-17 18:35:00	TEMPERATURE 4 WITHIN RANGE
2020-03-17 18:43:00	RH 1 WITHIN RANGE

Alarm Audit Trial

Sr. No	Log Date Time	Equipment Name	Alarm Description	Ack Date Time	Login Name	Comments
1	24-02-2020 08:00:00	EQUIPMENT 1	TEMPERATURE 8 LOW	27-02-2020 19:00:00	admin	
2	25-02-2020 08:00:00	EQUIPMENT 1	TEMPERATURE 8 LOW	27-02-2020 19:00:00	admin	
3	27-02-2020 02:35:00	EQUIPMENT 1	TEMPERATURE 8 LOW	27-02-2020 19:00:00	admin	
4	27-02-2020 18:00:00	EQUIPMENT 1	TEMPERATURE 8 LOW	27-02-2020 19:00:00	admin	
5	26-02-2020 02:45:00	EQUIPMENT 1	TEMPERATURE 8 LOW	27-02-2020 19:00:00	admin	
6	26-02-2020 19:05:00	EQUIPMENT 1	TEMPERATURE 8 LOW	12-05-2020 18:07:09	admin	Alarm Ack Nirav Buch
7	28-02-2020 19:52:00	EQUIPMENT 1	ALARM CODE 115 NOT CONFIGURED	12-05-2020 18:07:09	admin	Alarm Ack Nirav Buch
8	28-02-2020 17:20:00	Equipment_53_HC	TEMPERATURE 8 LOW	17-03-2020 18:39:44	admin	ug
9	29-02-2020 20:10:00	Equipment_53_HC	ALARM CODE 57 NOT CONFIGURED	17-03-2020 18:39:44	admin	ug

Email Audit Trail

Sr. No	Log Date Time	Equipment Name	Email Address	Email Message	Status
1	17-03-2020 19:33:02	Equipment_53_HC	gokul@dreamsoftindia.com	Dear User ALARM ALERT FOR Equipment_53_HC ALARM EVENT - TEMPERATURE 1 WITHIN RANGE ON 2020-03-17 18:35:00 Regards Email Alert System	Failed
2	17-03-2020 19:33:02	Equipment_53_HC	gokul@dreamsoftindia.com	Dear User ALARM ALERT FOR Equipment_53_HC ALARM EVENT - TEMPERATURE 2 WITHIN RANGE ON 2020-03-17 18:35:00 Regards Email Alert System	Failed

Equipment Audit Trail

Sr. No	Log Date Time	Equipment Name	Login Name	Parameter	Old Value	New Value	Comments
1	29-02-2020 15:10:33	Equip2	admin	EQUIPMENT ADDITION			test
2	29-02-2020 17:12:50	EQUIPMENT 1	admin	EQUIPMENT STATUS	Active	Not Active	nfgn
3	29-02-2020 17:13:37	Equipment_53_HC	admin	EQUIPMENT ADDITION			New Equipment Added
4	29-02-2020 18:18:00	Equipment_53_HC	admin	Humidty SV (% RH)	60.0		Humidity
5	03-03-2020 19:37:37	EQUIPMENT 1	admin	EQUIPMENT IP ADDRESS	192.168.0.53	192.168.0.56	fkfdfno
6	03-03-2020 19:37:37	EQUIPMENT 1	admin	EQUIPMENT STATUS	Not Active	Active	fkfdfno
7	03-03-2020 19:37:46	Equip2	admin	EQUIPMENT STATUS	Not Active	Active	mlpkl
8	16-03-2020 17:02:17	EQUIPMENT 1	admin	BOILER CIRCUIT FIAL		SMS Enabled	Email & SMS
9	16-03-2020 17:02:17	EQUIPMENT 1	admin	COMMUNICATION FAIL		Email Enabled	Email & SMS
10	16-03-2020 17:03:21	EQUIPMENT 1	admin	COMMUNICATION FAIL		SMS Disabled	Email & SMS

MKT Analysis

Temperature (°C)

Sr. No.	Start Date	End Date	CH1 Min Max Avg	CH2 Min Max Avg	CH3 Min Max Avg	CH4 Min Max Avg	CH5 Min Max Avg	CH6 Min Max Avg	CH7 Min Max Avg	CH8 Min Max Avg
1	02-03-2020	02-03-2020	24.7 28.4 26.7	24.7 28.7 26.9	24.5 30.0 27.1	24.1 28.7 26.5	-99.9 -99.9 -99.9	-99.9 -99.9 -99.9	-99.9 -99.9 -99.9	-99.9 -99.9 -99.9
		MKT (°C)	26.85	27.05	27.25	26.65	-273.00	-273.00	-273.00	-273.00
		Avg Temp (°C)	26.70	26.90	27.10	26.50	-99.90	-99.90	-99.90	-99.90
		Deviation Temp (°C)	0.15	0.15	0.15	0.15	-173.10	-173.10	-173.10	-173.10

SMS Audit Trail

Sr. No	Log Date Time	Equipment Name	Mobile No	SMS Message	Status
1	14-03-2020 10:09:16	EQUIPMENT 1	982174015	TEMPERATURE 1 HIGH	Failed
2	14-03-2020 10:09:16	EQUIPMENT 1	921612262	TEMPERATURE 1 HIGH	Failed
3	14-03-2020 10:09:16	EQUIPMENT 1	9870310006	TEMPERATURE 1 HIGH	Failed
4	14-03-2020 10:09:16	Equipment_53_HC 23	9870310006	TEMPERATURE 1 LOW	Failed

User Audit Trail

Sr. No	Log Date Time	Login Name	Event
1	01-03-2020 20:03:35	SYSTEM	COMMUNICATION FAILURE FOR EQUIPMENT NO 23
2	01-03-2020 20:57:51	admin	USER LOGGED IN SUCCESSFULLY
3	01-03-2020 21:51:30	admin	USER EXITED APPLICATION
4	01-03-2020 22:08:50	admin	USER LOGGED IN SUCCESSFULLY
5	01-03-2020 22:43:45	admin	USER LOGGED IN SUCCESSFULLY

View Approve Log

Temperature LL: - 10.0   Temperature UL: - 65.5   Humidity LL: - 0.0   Humidity UL: - 100.0

Sr. No	From Date Time	To Date Time	Log Type	Date Time	Login Name	Comments
1	29-02-2020 19:45	29-02-2020 19:40	Review	18-03-2020 19:24:50	admin	Reviewed
			Approve	18-03-2020 19:25:57	admin	Approved

View Data Log

Data Log Report

Filter From : - 25-02-2020 00:00   Filter To : - 10-04-2020 23:59
Records From : - 17-03-2020 14:20   Records To : - 20-03-2020 19:15
Equipment : - Equipment_53_HC

Sr. No	Log Date Time	Temperature (°C) SV	Temperature (°C) CH1	Humidty (%RH) SV	Humidty (%RH) CH1
1	17-03-2020 14:20:00	40.0	29.8	40.0	58.4
2	17-03-2020 14:25:00	40.0	29.8	40.0	57.2
3	17-03-2020 14:30:00	40.0	29.8	40.0	58.3
4	17-03-2020 14:35:00	40.0	30.0	40.0	56.4
5	17-03-2020 14:40:00	40.0	30.0	40.0	53.0

insight Acquisition System (iAS) Batch Processing

PLC / HMI

Controllers

21 CFR Part 11 Batch Data Logging Application for Pressure, Temperature, Level, or any other Equipment Parameters

Introduction:

DreamSoft's Insight Acquisition System (iAS) for Batch Data Process is a Base Ready supervisory control & data acquisition Application which can communicate with all Controllers / Indicators having RS 485 Modbus ,TCP/IP, Serial communication port or PLC & HMI / Touch panel, for online display, set point changes & Data logging of various Parameters like Pressure, Temperature, Motor RPM, Motor Current / Torque, Liquid / Gas Flow Rate with Totalizer, Heater Temperature, Level, pH, ORP, Turbidity, IR Or any other Environmental Parameters. This Base Ready Product is for Manufacturers of Autoclaves, Pressure Reactor, Pressure Vessels, Flow Reactors, Heating Cooling Circulators, Chillers.

Salient Features:

- Multiple Equipment Configuration
- Password Protection with Alpha Numeric Password with min 8 characters
- Password Ageing
- Username and Password Encryption
- Wrong Password attempt account locking
- Auto Log out of no activity done
- User Access Levels
- User Audit Trails at Each Event
- Settable Parameters according to the Equipment
- Equipment RTC Sync Facility
- SMS and Email Alert for Alarms
- Real Time Display of Batch Parameters
- Recipe Master
- Load Recipe in Equipment
- Critical Parameters Monitoring
- Input / Output Status Display
- System Diagnostics for Services and Equipment Status
- Review Data Log
- Approve Data Log
- Digital Acknowledgement of Alarms with Audit Trails
- Audit Trails for User, Equipment
- Auto and Manual Backup
- Data Archive with Archive Analysis
- Application is compatible as per 21 CFR Part 11 Guidelines

The Difference in iAS Batch Processing Application is that here Data Logging happens Batch Wise with below different features compared to continuous data logging.

Batch Processing

- Batch Processing is a Customized Development for Each Equipment. Depending upon the Type of Equipment and Parameters to be monitored, this screen will show real time status of the same. Batch No., Recipe, Batch Status etc. will be displayed with Real Time values coming from Equipment. Parameters which are getting logged like Sensor Values, Pressure, Temp. etc. will also be displayed.

- Batch: Options to Start Batch, Stop Batch

- Recipe: Load Recipe in Batch by selecting it from Recipe Master

- Trends: Real Time Values representation by Graph. Parameter wise Values will be displayed with Time. Batch No. and Status will be also displayed.

- Other Options: Depending upon the Equipment, Application can provide Monitoring of Critical Parameters (CPP), Start and Stop Water Filling, Monitor other Batch Types like: Vacuum Leak Test etc.

Application Setup

Equipment Master

Equipment Parameter

Recipe Master

Calibration Setting

Cycle Batch Start

Cycle Start Batch Process Dashboard

Critical Process Parameter

Recipe Process Parameter

Batch Process Trend

Cycle End Batch Process Dashboard

Preparatory Action

System Status, Service Status

System Status, Equipment Status

System Status, Error Log-

Data Analysis

Batch Cycle Report

Cycle Summary

Batch Cycle Graph

Alarm Report

Pending Acknowledge Alarms