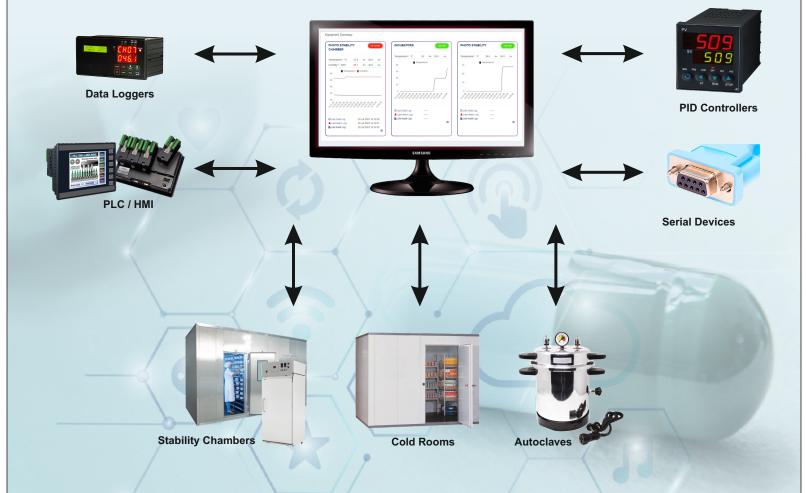


insight Acquisition System (iAS)

Continuous & Batch Data Logging Applications

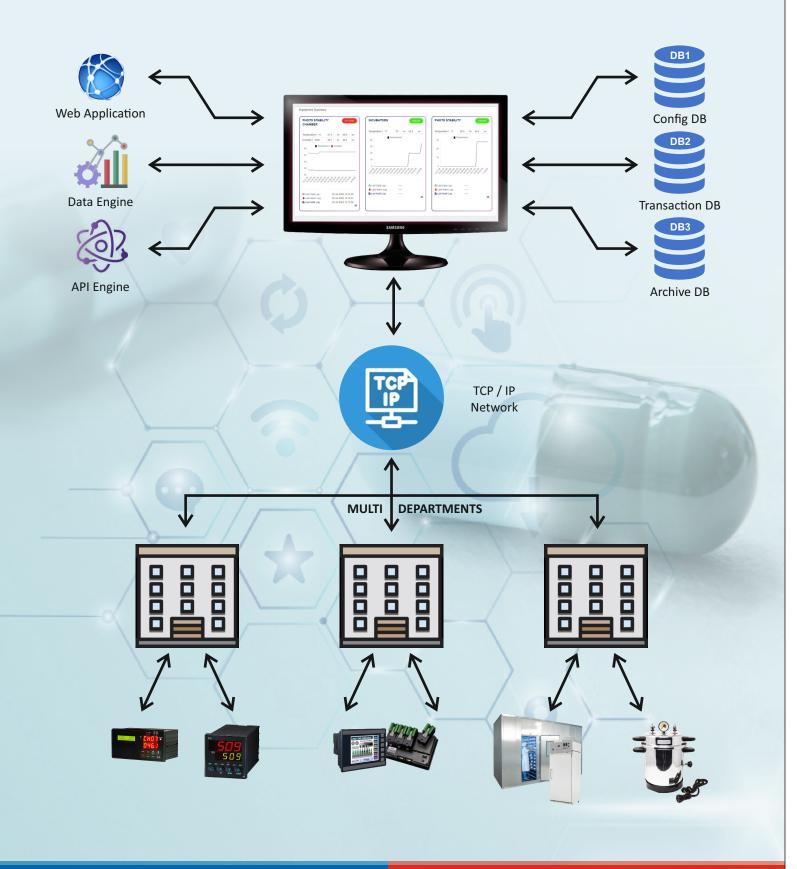


21 CFR Part 11 Data Logging Application for Temperature, Humidity, or any other Environmental Parameters



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



Active Directory Integration



Multilingual



Batchwise Data Analysis



API Integration



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.

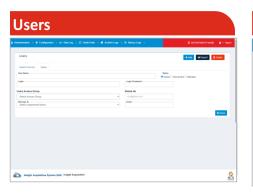


Home Screen

Equipment Sun	nmary										
3WS_ISMinus			ONLINE	Equipment 2			ONLINE	EQUIPMENT	13		CNLINE
Parometer	PV	5V	Unit	Parameter	PV	84	Unit	Parameter	PV	sv	Unit
Temperature1	25.0		°C	Temperature1	25.0		°C	Temperature1	25.0		°C
Last Data Log		15 Mar 2023 18	148.32	Last Data Log		15 Mar 2023 18	48.32	Last Data Log		15 Mar 2023 18	48.32
Last Alarm Log		06 Mar 2023 00	155:34	Last.Alarm Log		06 Mar 2023 00	55.34	Last Alarm Log		06 Mar 2023 00	155:34
EQUIPMENT (14		ONLINE	EQUIPMENTOS			ONLINE	EQUIPMENT	6		CNLINE
Parameter	PV	57	Unit	Parameter	PV	sv	Unit	Parameter	PV	sv	Unit
Temperature1	25.0		10	Temperature1	25.0		°C	Temperature1	25.0		°C
Last Data Log		15 Mar 2023 1	8.48.22	Last Data Log		15 Mar 2023 18	48:32	Last Data Log		15 Mar 2023 10	48:22
Last Alarm Log		05 Mar 2023 0	2.55.34	Last Alarn Log		06 Mar 2023 00	155.34	Last Alarm Log		06 Mar 2023 00	155.34

Access Group

	tss Group			◆Add ⊕ Report ■ Deale
Sear	In Record Access Chiup			
Searc	h Enter Text to Filter Data Records / Pag	p0 25	Q Search	
	Access Group	Sature	Action	
	Lavable	Autom		Line and Lin
	specific	Adve		CF



m	ail /	์ SMS เ	Jser C	onfig	urat	tion
	O Configuration - 1	🗹 Dele Log 🗸 😂 Audit Trade 🗸 🚳	Archive Logn 🕞 🙂 History Logn	1. S.	E DEPARTM	ENTINAME 🛛 🛦 🛩 Tejm t
ail SMS	Jser Config					
DEFARTS	ENT NAME		v Q Search			
5a.	Dear Name	Login Name	Email	Weinle No	Ered	1941
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Tripe 1		Sym		+0100230000070		
						E Save
	Acquisition System (AA					0

v ppin	cation	Configur	ation
ininistudos 🤟 O Configural	on - ≥ Detalog - 🗊 Aod	t Trails 👻 🌒 Archive Logs 👻 🥲 History Logs 👻	🗄 DEFARTMENT NAME 🛛 🛔 🗸 TRJI
Application Configuration			
Beckup Local Path C'Database_Backupi			
Restore File Path C1Database_Backupi			
Database File Puth F:Restore History/			
Display Report DateTime Yes O No	a.		
PASSWORD FREQUENC		Non Range	Password Frequency
PASSWORD FREQUENC Pessword Frequency Cycle Day v	Min Range 1	30	1
Pessword Frequency Cycle		30 Idle Auto Log Out (mins)	1
Pessand Frequency Cycle Day	1		s Auto Effect of Idle Auto Log Cut will require Re Login

EMAL				
SMTP Email smtpemail@yourdonian	name.com	SMTP Email Port	SMTP Authentication Enable O Disable	SMTP Email 33L Enable O Disable
SMTP Address mail smtp.com		SMTP User Name emailusername		SMITP Pessword
	Email Subject			
(Equipment Name)	Alarm Alerts			
Email Signature Email Signature				
Test Email				Å
Test Email	Enai 🖀			

Backup Backup Path Last Backup Nov 13 2022 13:27:10 ∎ Backup Detabase Ø Ref

Fe	ulpment Statu									
554										
501	eth Enter Text t	to Filter Data		Records / Pag	25	9	Bearth			
	Organization	Kame	Code	Equipment Type	Outs Log Deletions	Alarm Log Deletime	Audit Log Deletime	Dates	Installation Date	Communicatio Desar
	OEPHRIMENT NAME	Cold Room Humidity CH1	CREICHT	Cold Room - Humidity	4245-26259-994542	0140-2020 00:00:00	9543-2029-01-02-00	Onine	0140-2823-0034-09	Invalid Activation

Application Diagnostics - Application Log

Ą	pplication Log						
5	atus						
FI	on Date 01-01-	2020 🗖	To Date 10	60-2023			
84	andh Enter Test	to Filter Data		Records / Page	25	Q, fleanth	
	Log Date	Equipment	Area		Details	Everlag	Team
	3/2/28/23 8:55 38.4M	Cold Boom Humaily CH1	Press, Marr	Log (Real Select	diam_j.opt/2 mv	Databable is wall - Digest selectors not set to	an indiance of an object. SERVICE
	3/2/28/23 8-64 12 AM	Cold Boom Humaily Chil	Press, lier	Log (Evolution)	dam jugo 72 mil	Databable is wall. Disjust reference national to	an indiance of an object. SERVICE
	3/2/2023 8:52 47 AM	Cold Room Humility Chill	Ases Fis Pro	enting	Alam Juga 72 mil	Column Tip Jilessape' does not belong to tab	e. SERVICE
	3/2/29/23 8 52:27 AM	Cold Room Numieity Chit	Posses, bear	Log (SP Reported)	10MP,L003,CDV,10H	Cutation is nut-Object whereas extractor	an instance of an utged. SERVICE
	5/2/28/23 # 11 4/2 AM	Call Room Pumpity CPIT	Alam File Pro		Alaria Juga Ji Kav	Calum Tg_Steasage does not beiong to tab	e. SERVICE
	5/2/28/23 # \$11.22 AM	Call Room Pumply CPIT	Passes, Sela	Log (SP Reported)	1049_L003_CDV_1 on	Database is suit- Digital reference parameter	an indiance of an indiand. SERVICE
	3/2/28/23 8 47 23 AM	Calif Boom Humaily CH1	Process, Data	ing (SP Reported)	18NP_LOG8_CBV_Low	Databile is suit. Object oference nation?lo	an Indiance of an object. SERVICE

Equipment Conf	0					◆703 ⊕10	gat 8 Deete
Search Record	Equipment Config						
Equipment				Code			
Equipment Group Select Group		÷	Equipment Type Select Type		• Secial No		
Equipment Id		Active O Not	Active				
Login Name Tetra		Login Passa	and .				
							E See



Equipment Configuration-FTP

Equipment Parameters

Equip	ments Parameters				
Search	Record Equipments Parameters				
uto ca	withane we CH 10	Colle Autoclave CH 10	Serial No 12	Please Ext 192, 168	er Equipment kl. 1.200
	Parameter		Ant Resolution	Value	Graph Color
	Temperature	10	0.1	25.7	Menurlightight ~
	Temperature 1	~	0.1	25.7	Blanched-kimond v
	Temperature2	~	0.1	25.1	line w
	Temperature3	10	0.1	25.2	Buevlotet +
	Temperature4	10	0.1	25.3	Brown v
	Temperature5	~	0.1	25.4	Buth/Nood V

		Equipment Name	14		Equipment Group		Equipment Type
	Cold Room Humidity CH1		182 166.0 200	Humidity Cha	nten	Cwie Ro	oon - Hunidly
ogin Name dmin		Login Password					
ser Cor	iments						
							O Sync RTC
	nd Status	Rebeat					
.comma	nd status	HEREIN					
g Data Ta	e Deellane	Parameter	Parameter Code	Taba	11dae	Details	Command Time
Mar-2015	Administrator	Equipment #70	810		Panding		

Equipment FTP					
learch Record Equipment FTP					
adpment adoctave CH 10	Code Autoclave CH 10	Equipment M 192, 168, 0.200			
P UserName FTP Pessword					
P Deal Leg1 www.dealeasertEMP_LOG8_CSWTEMP_LOG8_CSV_1 Low	PTP Deta Log2 Instructurations of SCANNER_LOG8_0	SVSCANNER_LOSS_CEV_2.0v			
IP Audit Log Imilitatabase/Operator_Logs/Operator_Logs.civ	FTP Alarm Lag Ami/Database/Alarm Loos/Alarm L	FTP Aarm Log /hmildstabase/Aarm_Logs/Aarm_Logs_72.cov			
dnin Login Password					
ser Commenta					
		Dian			
		\$2 Cont			

Administrator > Change Password



Data Log Report - Summary

Client Lo	go			PLAN	NY NAME T NAME partment				
	_			Dat	a Log				
Department		DEPARTMEN							
Filter From	_	02-Feb-2023	00:00	Filter To	16-Mar-2023 18:2	0			
Records From		02-Feb-2023	00:00	Records To	02-Feb-2023 16:4	8			
Equipment		Cold Room H	lumidity CH	12					
Temperature		Low Alarm	23.7	High Alarm	27.7				
Humidity %RH		Low Alarm	-2.1	High Alarm	78.9				
Channel Name	CH	Minimum	Maximum	Average	Channel Name	СН	Minimum	Maximum	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

Data Log Report

Clien	t Logo			PLA	NY NAME Partment	E			
		_			ta Log				
Departmen			IENT NAME		-				
Filter Fron		02-Feb-20		Filter To	16-Mar-20				
Records F		02-Feb-20		Records To	02-Feb-20	23 16:48			
Equipmen Temperatu		Low Alarr	h Humidity (High Alarm	27.7				
Humidity ?		Low Alarr		High Alarm	78.9				
Sr. No.	Log Di	ate I	.og Time	Temp SV	Temp PV	CH2	RH SV	RH PV	CH2
1	02-Feb-2	2023	00:00	25.7	25.7	0	75.9	75.9	0
2	02-Feb-2	2023	00:01	25.7	25.7	0	75.9	75.9	0
3	02-Feb-2	2023	00:02	25.7	25.7	0	75.9	75.9	0
4	02-Feb-2	2023	00:03	25.7	25.7	0	75.9	75.9	0
5	02-Feb-2	2023	00:04	25.7	25.7	0	75.9	75.9	0
6	02-Feb-2	2023	00:05	25.7	25.7	0	75.9	75.9	0
7	02-Feb-2	2023	00:06	25.7	25.7	0	75.9	75.9	0
8	02-Feb-2	2023	00:07	25.7	25.7	0	75.9	75.9	0
9	02-Feb-2	2023	80:00	25.7	25.7	0	75.9	75.9	0
10	02-Feb-2	2023	00:09	25.7	25.7	0	75.9	75.9	0
11	02-Feb-2	2022	00:10	25.7	25.7	0	75.9	75.9	0

SMS Alarm Text 部 帝 勘 ...I · Photo Stability CH 7 TEMPERATURE HIGH ALARM Jan 18 2023 4:13PM 19:10 ← IAS APP SMS

+91 77108 82244 India	18 2023 4:13PM
Plant growth chamber humidiy	Stability Chambers CH 5
TEMPERATURE HIGH ALARM Jan	TEMPERATURE HIGH ALARM Jan
18 2023 4:13PM	18 2023 4:13PM
Shaker Incubator CH 15	Cold Room Humidity CH 2
TEMPERATURE HIGH ALARM Jan	TEMPERATURE HIGH ALARM Jan
18 2023 4:13PM	18 2023 4:13PM
Plant Growth Chamber CH 5 TEMPERATURE HIGH ALARM Jan 18 2023 4:13PM	+ Message

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@dreamoofindia.com	Dear User ALARM ALERT FOR Equipment_63_HC ALARM (VINT: - TEMPERATURE 1 WITHIN RANGE ON 2020-03-17 18:35:00	Failed
2	17-03-2020 19:33:02	Equipment_55_HC	golul@dreamsofindia.com	Reprofit Enter Alext System Dear User ALAMIN ALERT FOR Expresent_51 JrC ALAMIN CENT. TEMPERATURE 2 WITHIN RANCE ON 2020 ID-171 13:500	Failed

Email Alarm Text

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

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

Thanks & Regards, Plant Name, Department Name

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	nign
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	Humidity SV (% RH)	60.0		Humidity
6	03-03-2020 19:37:37	EQUIPMENT 1	admin	EQUIPMENT IP ADDRESS	192.168.0.53	192.168.0.56	fildfris
6	03-03-2020 19:37:37	EQUIPMENT 1	admin	EQUIPMENT STATUS	Not Active	Active	fkidhs
7	03-03-2020 19:37:49	Equip2	admin	EQUIPMENT STATUS	Not Active	Active	migtd
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 Enabled	SMS Disabled	Email & SMS

MKT Analysis

Alarm Audit Trial

						_				Temp	eratu		¢)		_			_						_		
84.				CH1			CH2	_		CH3			CH4			CHS			CHS			CH7			сня	
No.	Start Date	End Date	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Nax	Avg	Min	Max	Av									
1	02-63-2029	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	-99.3	-99.9	-99.5	-99.9	-09.5	-99.9	-99.5	-99.9	-99.5	-99.9	-49
		MKT (*C)			26.85			27.05			27.25			26.65		-2	73.00		-2	73.00		-2	73.00		-2	73.0
	A	Temp (°C)			26.70			26.90			27.10			26.50			99.90			99.90			99.90			89.9
	Deviatio	n Temp (°C)			0.15			0.15			0.15			0.15		-1	73.10		-1	73.10		-1	73.10		-1	73.1

 Ex. B
 Log Des Time
 Exponent Name
 Atten Description
 Att Description

View Approve Log

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

CIV	Λ	C H	ь т	rail
אוכ	AU			l all

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

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

		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

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

Data Log Report - Graph





insight Acquisition System (iAS)

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



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



Home Screen

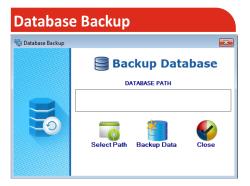


User Access Group

Jser Access Group	• ·	Add	Save Delete	Find	Close	► ►
SROUP DETAILS						
Group Name*						
Group Detail			0			
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						A.C.M.

Application Users	Users	 (+ Add	No. 10 Save	Delete	Co. Find	C Refresh	K	► ►
User Name*			_					
Login Name*								
Password"	2							
Password Freq*								
	Months (Min 1 to Max 99) Active O NotActive O Blocked							
Contras	Active () NotActive () Blocked							

Appli	cation Setup	
C Application Setup		
Company Name*	ABC Company	
Department Name*	RND1	200
Header Note*	105. Udyog Bhavan, Xe Compound, Lower Parel (West), Opp Big Bazar Mumbai	2
Footer Note*	105. Udyog Bhavan. Xe Compound. Lower Parel (West). Opp Big Bazar Mumbai	
Auto DB Backup*	D\ SelectEolder Path	
User Lock Count*	4 v Auto Logout Time * 5 v	
Email SMS Time Delay *	60 Minutes (Min 1 to Max 999)	
	Save X Dove	



Archive Restore

 \checkmark

Close

Select Path Restore Data

10





Equipment	റ	nfi	σ						
Equipment			ъ						
🖶 Equipment Config									
Equipment Master	€ ◀	Add	Nave Save	Delete	Find	Refresh	Close	Þ	۰I.
EquipmentName* Equipment_53_HC		Eq	ipment Status	 Active 	O Not A	ctive			
Equipment Type* Humidity Chambers (8 CH)		\sim							
IP Address* 192 168	•.	53							

Equipment Name Equip Parameter Level PID Se		 ✓ Check All 	Get Settings	Save Settings	XClos
Temperature KP	23	Ter	mperature TI	20	
Temperature TD	21		mperature Cycle Time	3	
HUmidity KP	18		midity TI	17	
Humidity TD	14	L) Hu	midty Cycle Time	4	

SMS Comm Config Web URL

6	SMS Comm Config
	○ GSM Modem
Γ	SMS URL 🐤
	http://smsadmin.dreamsoftindia.com/vendorsms/pu shsms.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. +91982111111
	Send Test SMS
	💾 Save 🗶 Close

Equipment Parameter

EquipmentName Equipment_53_HC	v Check	Ali 📑 Saw	Settings	Close	
Parameter Name & Code	Graph Color	Axis	Unit	Resol.	
Temperature 1	Bue v	Primary V	ŧC	0.1 ~	
Humidity 1 H1	Ped v	Primary ~	% RH	0.1 ~	
Temperature 2	Green v	Primary ~	FC	0.1 ~	
Humidity 2 H2	Black v	Primary ~	% RH	0.1 ~	
Temperature 3 T3	Brown v	Primary V	*C	0.1 ~	
Humidity 3 H3	Purple v	Primary V	% RH	0.1 ~	
Temperature 4	Gray v	Primary ~	R C	0.1 ~	
Humidity 4 H4	Orange v	Primary V	% RH	0.1 ~	
Temperature 5	Marcon 🗸	Primary V	ŧC	0.1 ~	

Equipment RTC	
Equipment RTC 23	
Equipments	
QE - ADCTS 1.0 X	
RTC SYNC COMMAND INTIALISED	
ОК	
2020-04-03 03:38:01	
Sync RTC Close	

Equipment Settings

Equipment Name TH6 Parameter Level Set Values		Check All	Get Settings	Save Settings	Close
Temperature SV (¹ C)	60.0		emperature LL (² C)	55.0	
Temperature UL (⁹ C)	65.0	D H	lumidity SV (% RH)	80	
Humidity LL (% RH)	75.0	D H	lumidity UL (% RH)	85.0	
Log Interval (mins)	1				

ill SMS User		
IS System 🛞 I	Enabled O Disabled	
Mobile No 1*	+918379044467 Mobile No 2	+919623986013
Mobile No 3	+919082264439 Mobile No	+918369707201
Mobile No 5	+919870810128	e.g. =91962111111
nail System 🛞	Enabled O Disabled	
Email Address 1 *	prathamesh@dreamsoftindia.com	Email Address 2 gokul@dreamsofindia.com
	umesh@dreamsofindia.com	Email Address 4 projects@dreamsoftindia.com
Email Address 3	wine ying arean your and com	

Alarm Con	figuration f	for Emai	& SMS
	0		

Eq	ipment Name Equipment_53_HC ~	8	Close	
-	Aam Description	SMS Status	Enal Status	
	BH CHANGE OVER			
	BOILER CIRCUIT FIAL			
	CO CHANGE OVER			
	CO2 CIRCUIT FAIL			
	COMMUNICATION FAIL			
	COMMUNICATION FAIL		2	
	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			1
	DOOR OPEN			
	LT TRIP			
	MAINS FAIL			

Real Time Summery



Real	Time	Displa	y		
CquipmentName" (1)-6 94 EEMPEHATURE (1C) 6.0 HUMBOTTY (5.09 40		Online PLedgends OB OH OB [1.8 1.9 2.0	C)6 21		Goting Data X Close
Tereperature (C)	xe 5 Tempe xe Lover Linit Tempe	Guality Equipment rate 2 - Year rate 6 - Han sature Upper Linit - Han	erahare 3 Te By 1 Te	mperature 4 mperature 59 methy Lower Limit	
0	13 18 00	13:19:00	13,20,00	13 21 00	13 22 00

Company Name*	ABC Company
Department Name*	RND1
Header Note *	[105, Udyog Bhavan, Xe Compound, Lower Parel (West), Opp Big Bazar, Mumbei
Footer Note*	105. Udyog Bhavan. Xe Compound. Lower Parel (West). Opp Big Bazar. Mumbai
Auto DB Backup*	D\ SelectEcider Path
User Lock Count*	4 v Auto Logout Time* 5 v
mail SMS Time Delay *	60 Minutes (Min 1 to Max 999)
	Save 🗶 Close

	Diagnosis			
6	Stop Moni	toring 🕥 Restart Service	Close	
Ser	vice Statu	Equipment Status		
	Sr. No	Service Description	Date Time	Status
	1	Equipment Write	2020/04/06 12:50:05	WAITING FOR WRITE EVENT
		Real Time	2020/04/06 12:50:05	POLLING REAL TIME
	3	10 Status IP	2020/04/06 12:50:05	POLLING INPUTS 0
	2 3 4	10 Status IP 10 Status OP	2020/04/06 12:50:05 2020/04/06 12:50:05	POLLING INPUTS 0 POLLING OUPUTS
	2 3 4 5			

Analysi	s Report	s	
🖨 View Data Log			
Equipment Name	Equipment_53_HC	✓ X Close	
From Date & Time	02/04/2019 00:00:00 🔹	To Date & Time 03/04/2020 23:59:59 🚖	
Parameters	Temperature 1 Temperature 2 Temperature 3 Temperature 3 Temperature 4 Temperature 6 Temperature 6 Temperature 7 Temperature 8	Humidat 1 Humidat 2 Humidat 3 Humidat 3 Humidat 4 Humidat 4 Humidat 4 Humidat 5 Humidat 6 Humidat 7 Humidat 7	
	View Data Log		

iew Al	arms		
e Alarms			
ment Name Equipment_53	_HC V Check All 🗹 Acknowledge Alarm	View	Close
Log Date time	Alorm Event	_	
2020-02-28 19:05	TEMPERATURE & 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 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		

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	29-62-2020 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	
Linun	Addit II di	

Sr. No	Log Date Time	Equipment Name	Email Address	Email Message	Statur
1	17-03-2020 19:33:02	Equipment_53_HC	pokul@dreamsoffindia.com	Dear User ALANM ALERT FOR Equipment_53_HC ALANM EVENT - TEMPERATURE 1 WITHIN RANGE ON 2020 03-17 18:25:00	Failed
				Regards Email Alert System	
2	17-03-2020 19:33:02	Equipment_53_HC	pokul@dreamsofindia.com	Dear User ALARM ALERT FOR Equipment, 53_HC ALARM (VENT: - TEMPERATURE 2 WITHIN RANGE ON 2020-03-17 18:35:00	Faled
				Regards Email Alert System	

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	nign
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	Humidity SV (% RH)	0.00		Humidity
5	03-03-2020 19:37:37	EQUIPMENT 1	admin	EQUIPMENT IP ADDRESS	192.168.0.53	192.168.0.56	fildins
6	03-03-2020 19:37:37	EQUIPMENT 1	admin	EQUIPMENT STATUS	Not Active	Active	Ridfro
7	03-03-2020 19:37:49	Equip2	admin	EQUIPMENT STATUS	Not Active	Active	migld
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 Enabled	SMS Disabled	Email & SMS

MKT Analysis

											Temp	eratu		¢)											_		
0 Main Aras Bari Kara Jang	8								:H1			CH2		СНЗ		CH4			CHS		CHS		CH7		CH8		
MKT (+C) 26.85 27.66 27.29 26.66 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273.00 -273	ŧo.	Start Date	End Date	Min	tax	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
Avg Temp (° C) 26.70 26.90 27.10 26.50 -99.90 -99.90 -99.90 -99.90	1	02-43-2029	02-03-2020	24.7	8.4	26.7	24.7	28.7	26.9	24.5	30.0	27.1	24,1	28.7	26.5	-99.9	-99.3	-99.9	-99.5	-99.9	-09.5	-99.9	-99.5	-99.9	-99.5	-99.9	-991
			MKT (*C)			26.85		_	27.05			27.25			26.65		-2	73.00		-2	73.00		-2	73.00		-2	73.0
		A	Temp (°C)			26.70		_	26.90			27.10			26.50			99.90			99.90		4	99.90			9.9
		Deviati	n Temp (°C)			0.15			0.15			0.15			0.15		-1	73.10		-1	73.10		-1	73.10		-1	73.1

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

View Data Log

		Data L	og Report				
Filter Fro	cm : - 25-02-2020 00:00		Filter To	: - 10-04-2020 23:5			
Records	From : - 17-03-2020 14:20		Records To	: - 20-03-2020 19:1	15		
Equipme	ent :- Equipment_53_H	с					
		-					
Sr. No	Log Date Time	Temper	rature (°C)	Humidty (%RH)			
31. 140	Log Date Time	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		

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

ir. No	From Date Time	To Date Time	Log Type	Date Time	Login Name	Comments
	29-02-2020 18:45	29-02-2020 19:40	Review	18-03-2020 19:24:50	admin	Reviewed
1	29-02-2020 10:45	29-02-2020 19:40	Approve	18-03-2020 19:25:57	admin	Approved



insight Acquisition System (iAS) Batch Processing



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.

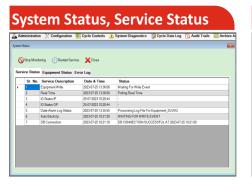






Preparatory Action

Preparatory Actions	
Equipment Name	Equipment_SLVSG ~
Preparatory Action	Select Preparatory Action
Communication Status	Online
Equipment Status	EOC
Cycle Status	End of Cycle
Alarm	End Of Cycle
7 44111	
() START	



9	5	/ste	em	St	atus,	Equi	ipn	nent	Statu	s
2	Ada	ninistration	X Confi	guration	👯 Cycle Controls	🛕 System Di	agnostics	🎲 Cycle Data Lo	g 🔞 Audit Trails	Archive Ar
Sys	item 9	tetus								
:	Ŭ	Stop Monito	Equipmen	Restart Ser t Status Status		Last De	ta Los	Last Alarm Log	_	
	•	192.168.0		ONLINE	2023-07-25 13:3			2023-07-25	-	

System Status, Error Log-

Ad	ministration	• X Co	nfiguration	Cycle Contro	ols 🛕 System Diagnostics	🧊 Cycle Data Log	🔯 Audit Trails	Archive
tem :	Status							
~			·	vice Close				
Ел	or Log File	ErrorLog	20230719.xm	-	Display Error Log			
	Date &	Time	 Section 		Error Description			^
Þ	2023-07-	19 14:57:5	9 False		GetBatchid False 2			
	2023-07-	19 14:57:5	9 Processi	DataLogFile	UNABLE TO FIND BATCH N	0:-2		
	2023-07-	19 14:57:5	9 False		GetBatchid False 2			
	2023-07-	19 14:57:5	9 Processi	DataLogFile	UNABLE TO FIND BATCH N	0: - 3		
	2023-07-	19 14:57:5	9 False		GetBatchid False 2			
	2023-07-	19 14:57:5	9 Processi	DataLogFile	UNABLE TO FIND BATCH N	0: - 4		
	2023-07-	19 14:57:5	9 False		GetBatchid False 2			
	2023-07-	19 14:57:5	9 Processi	DataLogFile	UNABLE TO FIND BATCH N	0:-5		
	2023-07-	19 14:57:5			GetBatchid False 2			
	2023-07-	19 14:57:5	9 Processi	DataLogFile	UNABLE TO FIND BATCH N	0: - 6		
	2023-07-	19 14:57:5	9 False		GetBatchid False 2			
	2023-07-	19 14:57:5	9 Processi	DataLogFile	UNABLE TO FIND BATCH N	0: - 7		
	2023-07-	19 14:57:5	9 False		GetBatchkl False 2			

Data Analysis

Administration	Configuration	🔃 Cycle Controls	 A System Diagnostics 	🎲 Cycle Data Log	<u>í</u>
ita Analysis					×
Data Type Name	Datalogs		Search		
butu Type Hume	Select Type Name	- 4	oedich		
Equipment Name	Datalogs				
-quipment Name	Raw Datalogs	Cyc	le No.		
	Alarm Logs				
Data Status	Raw Alarm Logs				
					_

Batch (Cycle F	Report
---------	---------	--------

				Recipe	Details					
Recipe		Recipe_1								
Log Interval (sec)		60	Temperature !	Setpoint (°C)		122.0	Min Accept	able Sterile Temper	abute (*C)	121.0
Max Acceptable Sterile Tempera	sture (°C)	124.0	Hold Time (mi	n)		1	Hold Time I	Reset		No
Negative Pulses		0	Positive Pulse	5		1	Drying Enal	bled		No
Drying Time (min)		0								
Date & Time (dd-MM-yyyy HH:mm:ss)	Cycle	Status		T1 (°C)	T2 ('C)		T3 (°C)	T4 ("C)	Pri (bi	rssure ir)
25-07-2023 13:01:55	Posit	ive Pulse R	ise	40.0	40.0		40.0	40.0	0.3	50
25-07-2023 13:02:55	Posit	ive Pulse R	ine	40.0	40.0		40.0	40.0	1.2	12
25-07-2023 13:03:55	Posit	ive Pulse R	ise	40.0	40.0		40.0	40.0	1.6	74
25-07-2023 13:04:11	Posit	ive Pulse H	old	40.1	40.1		40.1	40.1	1.8	00
25-07-2023 13:05:11	Posit	ive Pulse H	old	40.0	40.0		40.0	40.0	1.8	100
25-07-2023 13:06:11	Posit	ive Pulse H	old	40.0	40.0		40.0	40.0	1.8	00
25-07-2023 13:07:11	Posit	ive Pulse H	old	40.0	40.0		40.0	40.0	1.8	00
25-07-2023 13:08:11	Posit	ive Pulse H	kold .	40.0	40.0		40.0	40.0	1.0	100
25-07-2023 13:09:11	Posit	ive Pulse H	old	40.0	40.0		40.0	40.0	1.8	00
25-07-2023 13:10:11	Posit	ive Pulse F	all .	40.0	40.0		40.0	40.0	1.1	138
25-07-2023 13:10:28	Temp	erature Ri	ie .	40.1	40.1		40.1	40.1	12	101
25-07-2023 13:11:28	Terry	erature Rie	ie .	86.2	86.2		86.2	86.2	1.6	62

Cycle Summary

	5	iterile Phase Summary		
Parameter	TI	T2	T3	T4
Minimum Temperature (*C)	122.1	122.1	122.1	122.1
Maximum Temperature (*C)	122.4	122.4	122.4	122.4
Difference (*C)	0.3	0.3	0.3	0.3
F0	2.75	2.75	2.75	2.75

		Cycle Repo	rt		
iquipment Name : Equipme latch : Batch-10	INT_SLVSG_DEMO			Cycle No. Cycle Started At	: 15_DEMO : 19-07-2023 15:04:23
			~		
— T1 — T2	— T3 — T4				
140 120- Q 100-					
(), 100 - 00 - 00 - 00 - 00 - 00 - 00 - 00					
₽ 10 20-					
0			2	÷.	S 25
0 00 12 00 00 12 00 00	12 00 21 2202-70-61	12:11:31 8202:20:61	19-07-2023 15-13-21	18-47-2023 15:14:41	19-07-2023 15:16:25

Sr. No.	Date & Time (dd-MM-yyyy HH:mm:ss)	Cycle No.	Batch	Alarm	Acknowledgement Status
1	25-07-2023 11:48:59	20	Batch-1802	Door 1 Open	Acknowledged
2	25-07-2023 11:56:33	21	Batch-1803	Electric Power Up	Pending Acknowledgemen
3	25-07-2023 11:58:38	21	Batch-1803	Electric Power Up	Pending Acknowledgement
6	25-07-2023 11:43:42			Door 1 Open	Pending Acknowledgemen
5	25-07-2023 11:45:05	-	-	Door 1 Open	Pending Acknowledgemen
6	25-07-2023 11:53:28	-	-	Door 2 Open	Pending Acknowledgemen

Sr. No.	Date & Time (dd-MM-yyyy HH:mm:ss)	Cycle No.	Batch	Alarm
1	25-07-2023 11:43:42			Door 1 Open
2	25-07-2023 11:45:05	-	-	Door 1 Open
3	25-07-2023 11:53:28		-	Door 2 Open
4	25-07-2023 11:56:33	21	Batch-1803	Electric Power Up
5	25-07-2023 11:58:38	21	Batch-1803	Electric Power Up



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