

Fully Programmable 3 Valve Auto Clave Programmer



- Temperature Input: RTD Pt100
- Programmable Sterilization Timer with Guaranteed Soak Time
- High Temperature Safety Alarm
- Computed Saturated Steam Pressure Display
- Independent Purging and Sterilization Set-points
- Independent Outputs for Air Valve & Steam Control
- All phases of the cycle such as steam generation process, auto air-purging phase, sterilization and auto steam-exhaust phase proceed automatically. If any errors are depicted they are printed via Thermal printer as well as displayed on Graphic Screen
- On screen you can see the messages being displayed of each and every process running at that time; for example: initial heating, purging on, purging off, sterilization on, evacuating on, System ready
- Temperature Dependent Cycle Resumption Upon Power Interruption
- Automatic steam exhaust at the end of cycle.
 - Digital Inputs for Door Open & Low Water Level Detection
 - In Built Thermal printer interface for direct printout of the logged data as well as messages.
 - Messages are printed in detail with each and every process starting temperature and time getting logged; for example :Purging on start temp. and time, Purging off start temp. and time, Sterilization start temp. and time , evacuating start temp. and time
 - USB interface for data logging on PC up to 1000 logs
- Direct Printout of Report On Thermal Printer & USB Pen Drive.
- USB PEN Drive Detection Message ON display.

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Model	AC-144-3V
Display	
Digital Readout	Mono Chrome Graphics LCD 128×64 with Blue or Green Back Lit.
Status Indicators	6 Red LEDs (3mm) Heater/Valve/Purging ON/Sterling/Alarm/System ON
Keys	
Type	8 Tactile Switches
Functions	MAINS ON/OFF ,SET, DOWN, UP,LEFT,RIGHT, AL ACK,,ENTER
Sensor Input	
Type	2-Nos RTD (Pt100), 3 wire for Jacket & Chamber
Display Range	0 to 150.0°C
Display Resolution	0.1°C for Temp. & 00.0 PSI for Pressure.
Accuracy	± 0.25% of reading ± 1°C
Sterilization Timer	
Operation Mode	Soak Time at Sterilization Set point with Hold Band
Range	1 to 999 Minutes
Power-fail Recovery	Resume, Reset, Abort
Jacket Heater Control	
Type	ON-OFF
Output (OP-1)	Relay Change-over Contacts 3A Resistive @ 120/240 Vac or SSR Drive (Factory Set)
Jacket Air Purging Control	
Control Type	ON-OFF
Output (OP-2)	Relay Change-over Contacts 3A Resistive @ 120/240 Vac or SSR Drive (Factory Set)
Chamber Air Purging Control	
Control Type	ON-OFF
Output (OP-3)	Relay Change-over Contacts 3A Resistive @ 120/240 Vac or SSR Drive (Factory Set)
Alarms	
Functions	High-Temperature Deviation, End-of-Sterilization, Low Water Level, Door Open

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Output (OP-4)	12VDC O/p for Buzzer
Data Recording	
Storage Device	USB PEN Drive, Inbuilt Data Memory Up to 1000 Reading.
	Thermal Printer
Recording Interval	User Programmable
Recording Data	Batch Number
(Date/Time Stamped)	Operator Name
	Process Values of Temperatures & Pressure
	Start Command
	Air Valve Close
	Sterilization Start
	Air Valve Open
	Sterilization End
Power Supply	
Line Voltage	Standard: 85~264 VAC, 50/60Hz (Optional: 18~36 VDC)
Consumption	5VA Max
Physical	
Mounting	Panel Mounting Clamps
Overall Dimensions	144(H) X 144(W) X 130(D), mm
Panel Cut-out	140(H) X 140(W), mm
Environmental	
Operating Ambient	0°C to 55°C
Storage Temperature	-10 to +70 °C
Operating Humidity	5~80%RH Non-condensing
EMC Standard	EN50081-2 & EN 50082-2 Generic Stds for Industrial Environment
Safety Standards	Meets EN61010, Installation Category II