

# Single CH.Auto Clave Controller / Logger



## DESCRIPTION :

- 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 upto 1000 logs
- Direct Printout of Report On Thermal Printer & USB Pen Drive.
- USB PEN Drive Detection Message ON display.

## SPECIFICATION :

Model	AC-144-1V
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<b>Display</b>	
<b>Digital Readout</b>	Mono Chrom Graphics LCD 128×64 with Blue or Green Back Lit.
<b>Status Indicators</b>	6 Red LEDs (3mm ) Heater/Valve/Purging ON/Sterli.ON/Alram/System ON
<b>Keys</b>	
<b>Type</b>	8 Tactile Switches
<b>Functions</b>	MAINS ON/OFF ,SET, DOWN, UP,LEFT,RIGHT, AL ACK,,ENTER
<b>Sensor Input</b>	
<b>Type</b>	1-No RTD (Pt100), 3 wire
<b>Display Range</b>	0 to 150.0°C
<b>Display Resolution</b>	0.1°C for Temp. & 00.0 PSI for Pressure.
<b>Accuracy</b>	± 0.25% of reading ± 1°C
<b>Sterilization Timer</b>	
<b>Operation Mode</b>	Soak Time at Sterilization Setpoint with Hold Band
<b>Range</b>	1 to 999 Minutes
<b>Power-fail Recovery</b>	Resume, Reset, Abort
<b>Chamber Heater Control</b>	
<b>Type</b>	ON-OFF
<b>Output (OP-1)</b>	Relay Change-over Contacts 3A Resistive @ 120/240 Vac or SSR Drive ( Factory Set)
<b>Air Purging Control</b>	
<b>Control Type</b>	ON-OFF
<b>Output (OP-2)</b>	Relay Change-over Contacts 3A Resistive @ 120/240 Vac or SSR Drive ( Factory Set)
<b>Alarms</b>	
<b>Functions</b>	High Temperature Deviation, End-of-Sterilization, Low Water Level,Door Open
<b>Output (OP-3)</b>	12VDC O/p for Buzzer
<b>Data Recording</b>	
<b>Storage Device</b>	USB PEN Drive ,Inbuilt Data Memory Up to 1000 Reading.
	Thermal Printer

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<b>Recording Interval</b>	User Programmable
<b>Recording Data</b>	Batch Number
<b>(Date/Time Stamped)</b>	Operator Name
	Process Values of Temperatures & Pressure
	Start Command
	Air Valve Close
	Sterilization Start
	Air Valve Open
	Sterilization End
<b>Power Supply</b>	
<b>Line Voltage</b>	Standard : 85~264 VAC, 50/60Hz (Optional : 18~36 VDC)
<b>Consumption</b>	5VA Max
<b>Physical</b>	
<b>Mounting</b>	Panel Mounting Clamps
<b>Overall Dimensions</b>	144(H) X 144(W) X 130(D), mm
<b>Panel Cutout</b>	140(H) X 140(W), mm
<b>Environmental</b>	
<b>Operating Ambient</b>	0°C to 55°C
<b>Storage Temperature</b>	-10 to +70 °C
<b>Operating Humidity</b>	5~80%RH Non-condensing
<b>EMC Standard</b>	EN50081-2 & EN 50082-2 Generic Stds for Industrial Environment
<b>Safety Standards</b>	Meets EN61010, Installation Catagory II