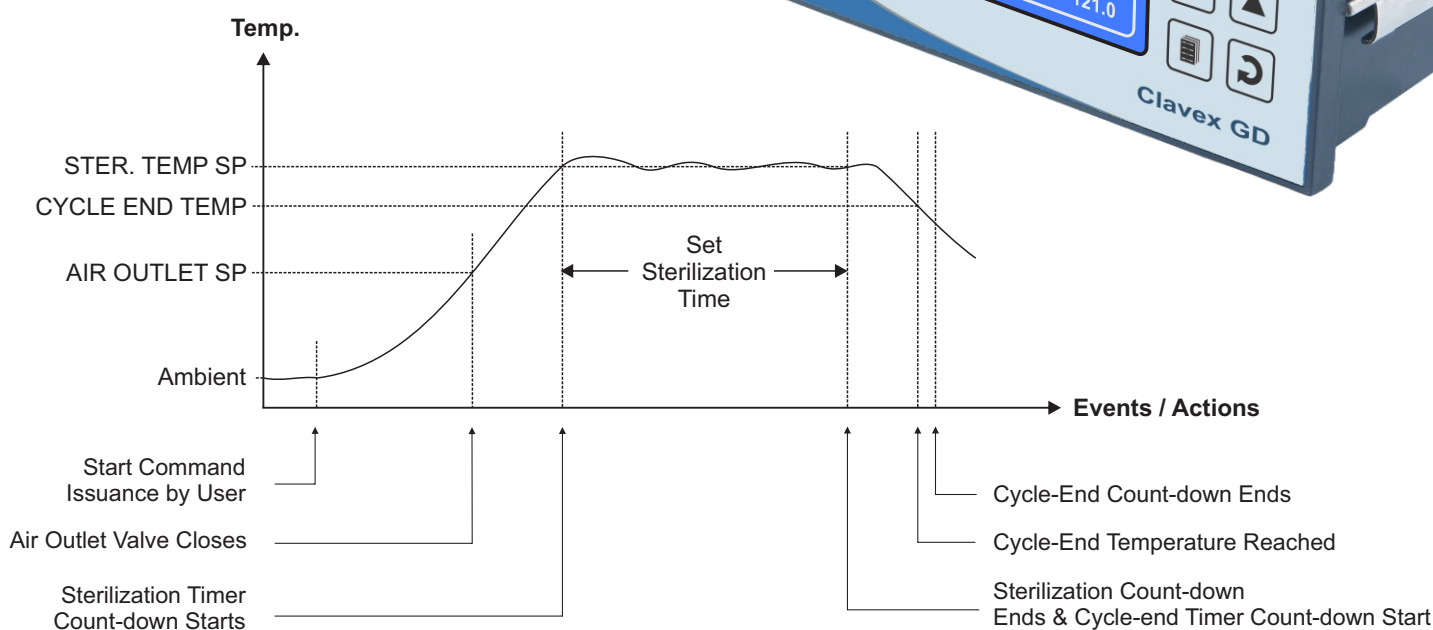




Features

- 128 X 64 STN Monochrome Graphic Display
- RTD Pt100, 3-Wire Temperature Input
- Analog Input (DC mA / V) for Pressure Measurement with Programmable Units (PSI, KG/CM², BAR & EU)
- Facility to View Computed Pressure Based on Saturated Steam Temperature in PSI or KG/CM²
- Digital Inputs for Door Open & Low Water Level Detection
- Digital Outputs (SSR Drive) for Heating, Air Exhaust & Alarm
- Programmable Sterilization Timer with Settable Timer Pause & Timer Reset Temperature Limits
- Programmable Setpoint for Air Exhaust Valve Closing
- Automatic Cycle Abortion at High Temperature Safety Limit & Low Water Level
- Front / Remote Sterilization Cycle Start Command
- F0 Value Calculation & Indication
- Programmable Cycle-End Strategy :
 - Immediate upon End of Sterilization Time
 - After Preset Temperature Drop from End of Sterilization
 - After Preset Time Elapse from End of Sterilization
- Temperature Dependent Cycle Resumption Upon Power Interruption
- RS485, MODBUS Serial Communication Port
- Size (mm) : 80 (H) X 160 (W) X 68.2 (D)
- Universal Supply Voltage : 85 ~ 264VAC, 50/60 Hz

Specifications

Display			
Graphic LCD		128 X 64 STN Monochrome	
Keys			
Type		6 Tactile Switches	
Functions		SCROLL UP	PAGE DOWN START / STOP & ALARM ACK ENTER
Analog Inputs			
Temperature Input		RTD Pt100, 3 wire	
Pressure Input		User Programmable : 0-20 mA, 4-20 mA, 0-5 V, 0-10 V, 1-5 V	
Indication Accuracy		Temperature : ± 0.25% of reading ± 0.1°C Pressure : ± 0.25% of reading ± 1 LSD	
Display Resolution		Temperature : 0.1°C Pressure : User Programmable 1 / 0.1 / 0.01 / 0.001	
Zero Offset		User Adjustable over Full Range (Independent for Temperature & Pressure)	
ADC		16 Bit (±32,768 Counts), Sigma-Delta (ΣΔ)	
Sampling Time		250mS (4 Samples per Second)	
Common Mode Rejection		> 100dB at 50/60 Hz	
Signal Conditioning		L-C Analog Filter on Each Input	
Door Status Monitoring			
Input		Digital Input (Potential-free Contacts) from Door Switch	
Action (Door Open)		Abort Running Cycle / Ignore Start Command & Alarm	
Water Level Monitoring			
Input		Digital Input (Potential-free Contacts) from Float Switch	
Action (Water Level Low)		Abort Running Cycle / Ignore Start Command & Alarm	
Alarm System			
Process Alarm		Alarm on Temperature Exceeding Safety Limit	
Door Alarm		Alarm on Door Open	
Water Level Alarm		Alarm on Water Level Low in Steam Generator	
Audio Alert		In-Built Buzzer (Beeper)	
Output		SSR Output (12 VDC @ 30 mA, Short - Circuit Protected)	
Alarm Acknowledge		Front Panel Key / Rear Panel Terminals for Alarm Acknowledge (Mute)	
Temperature Control Loop			
Type		ON-OFF	
Control Parameters		Setpoint & Control Band (Hysteresis)	
Output		SSR Drive (12 VDC @ 30 mA, Short - Circuit Protected)	

Air Exhaust Control	
Type	On-Off
Control Strategy (Programmable)	- Remains open till temperature reaches Air Outlet SP - Closes after reaching Air Outlet SP until Cycle - End
Output	SSR Drive (12 VDC @ 30 mA, Short - Circuit Protected)
Power Supply	
Type	Switch Mode (SMPS)
Line Voltage	85 to 264 VAC, 50/60Hz
Consumption	5VA Max
Physical	
Mounting	Plug-in with Panel Mounting Clamps
Overall Dimensions	80 (H) X 160 (W) X 68.2 (D), mm
Panel Cutout	75 (H) X 150 (W), mm
Terminals	3.5 mm Pitch, Pluggable Terminal Blocks
Environmental	
Operating Ambient	0~55°C & 5~90%RH Non-condensing
Storage Temperature	-10 to +70 °C
Atmospheres	Not Suitable for use in Corrosive or Explosive Atmospheres. The Panel in which the Instrument is Mounted must be free of Electrically Conductive Pollution.

Back Panel Terminations

