



Features

- | | |
|--|--|
| ➤ Independent Air Purging and Sterilization Setpoint | ➤ RTD : Pt-100 Temperature Input |
| ➤ Input Signal Conditioning (Filter & Zero Offset) | ➤ High Temperature Safety Alarm |
| ➤ Drying facility to avoid high outrush of pressure | ➤ F0 calculation at the end of Sterilization |
| ➤ Sterilization Timer with Guaranteed Soak Time | ➤ Computed Saturated Steam Pressure Display |
| ➤ Independent Outputs for Air Outlet & Steam Control | ➤ Water Level Switch Input |
| ➤ Automatic Cycle Abortion at High Temperature Limit | ➤ Universal supply voltage (90 to 270 VAC) |
| ➤ Front / Remote Sterilization Cycle Start Command | ➤ 24 VDC Available on Request |

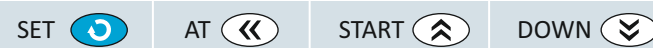
Technical Specifications

Display Specification

| | |
|----------------|--|
| Digits | Dual 8 Digits 7 Segment LED Display |
| LED Indication | HT - Heater Output Status P/E - Purge / Exhaust Status EOC - End Of cycle Output T - Soak Timer Running Status S - Set Point Status P - Pressure Status |
| Height | 0.39" PV (White) 0.24" SV (Green) |

Keys

4 Controlling keys for configuration and operation



Certification

None



Make In India



Accurate



Reliable



Affordable



User Friendly

Input Specification

| | |
|------------------|----------------|
| Sensor Input | RTD - Pt-100 |
| Resolution | Pt-100 - 0.1°C |
| Accuracy | 0.3% FS |
| Temperature Unit | °C |
| Sampling Rate | 250msec |

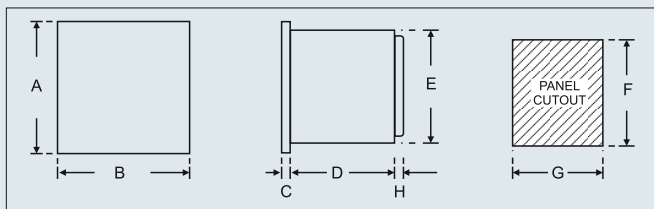
Output Specification

| | |
|------------------------|---------------------------------|
| Heater Output | Relay / SSR Drive (factory Set) |
| Purge / Exhaust Output | Relay / SSR Drive (Factory Set) |
| Alarm Output | Relay / SSR Drive (Factory Set) |
| Relay | 5A @ 250 VAC / 30 VDC |
| SSR Drive | 12 VDC @ 30mA |

Environmental Specification

| | |
|-------------|-------------------------|
| Temperature | Operating - 0 to 50°C |
| Storage | -20° to 75°C |
| Humidity | 95% RH (Non-condensing) |

Mechanical Dimensions



Mechanical Dimensions

| Dim Model | A | B | C | D | E | F | G | H |
|-----------|----|----|---|----|----|----|----|---|
| VAC-44 | 48 | 48 | 8 | 75 | 43 | 44 | 44 | 9 |

Functional Specification

| | |
|---------------------|-----------------------------|
| Hold Back Strategy | UP / Down / Both |
| Power Fail Recovery | Abort / continuous / Repeat |
| Pressure Unit | PSI / Kgcm |

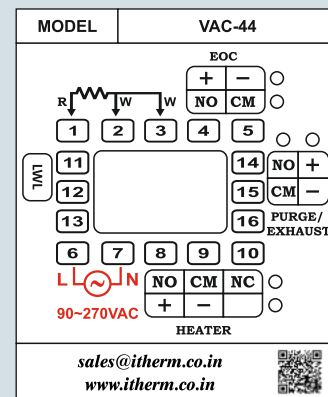
General Description

| | |
|---------------------|--|
| Weight (Gms) | 180 |
| Enclosure | Molded ABS |
| Color | Black |
| Accessories | 1 Pair of Mounting clamp |
| Terminal Cable Size | Barrier Type terminal cable Size (2.5 mm ²) |

Auxiliary Supply Specification

| | |
|----------------|---|
| Supply Voltage | 90 - 270 VAC (24 VDC Available on Request) |
|----------------|---|

Terminal Diagram



VAC-44

Order Code : VAC-44

| Size | O/P1 - Heater | O/P2 - P/E | O/P3 - Alarm | Supply |
|--------------|---------------|------------|--------------|------------------|
| 4 (48X48X87) | 0 (None) | 0 (None) | 0 (None) | A (90 ~ 270 VAC) |
| | R (Relay) | R (Relay) | R (Relay) | D (24 VDC) |
| | 2 (SSR) | 2 (SSR) | 2 (SSR) | |

Order Code : VAC-44

| Size | O/P1 - Heater | O/P2 - P/E | O/P3 - Alarm | Supply |
|--------------|---------------|------------|--------------|------------------|
| 44 | 1 | 1 | 1 | A |
| 4 (48X48X87) | 1 (Relay) | 1 (Relay) | 1 (Relay) | A (90 ~ 270 VAC) |

Input sensor Range

| Sensor Input | Range | Resolution | Accuracy |
|----------------|---------------|------------|----------|
| Pt-100 (RTD.1) | 0.0 ~ 150.0°C | 0.1°C | ±0.3°C |