SEMCO
Autograph your work with excellence

STABILITY CHAMBER

Optional HMI Control
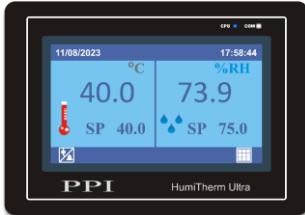
Salient Features:

- Application: Animal & Plant Cell Culture, Constant Temperature.
- Germination, and BOD Test, and as soon.
- CFC-free Refrigerator System.
- Digital Microprocessor Control System Implementing.
- Superior temperature Accuracy.
- RS232C Interface for Monitoring and Controlling with PC (Optional).
- Corrosion-resistant 304 or 316 Stainless Steel Chamber
- Stainless steel wire mesh shelves.
- Over Temperature & Over Current Protection.
- 21 CFR Compliant Software for Data Record (Optional).
- PC communication via ethernet.
- Documentation IQ, OQ & PQ (Optional).

Technical Specifications

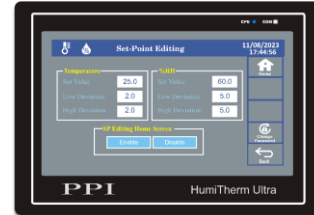| Capacity & Models	"SSSC-170"	"SSSC-200"	"SSSC-280"	"SSSC-380"
Circulation-type	Forced Air-type			
Temp. Range & Accuracy	10ºC ~60ºC, ±0.1ºC at 25ºC (Ambient)			
Humidity Range & Accuracy	40 % to 90% rh, ± 3 % rh			
Temperature Sensor	PT 100			
Humidity Sensor	Capacitive Humidity Sensor			
Refrigerant	CFC -HFC-free refrigerant			
Display	LED Digital Display (Optional- PLC-based HMI Control Panel -4.3" Display)			
Controller	Digital Microprocessor-based PID Controller			
Inner Door	1no. of Inner Tempered Glass Door/ Acrylic			
Shelves	3-5 no's			
Alarm	Over-Temp., Humidity & Low Water Level			
Illumination	LED/ Fluorescent (Manual) Optional-programmable			
Safety Circuit	Over temp. And Over the Current Protector			
Compressor	1/2 HP	1/2 HP	5/8 HP	3/8 HP
Data Logging	Optional with 21 CFR Compliant Software & Data Records			
Storage Device & Capacity	In-built flash memory or 5000-point records			
Material	Internal: Stainless Steel, External: Powder Coated M.S./ Stainless Steel (Optional)			
Insulation	70 mm Insulation with ceramic wool or PUF			
Power Supply	1 Phase, AC 220 V, 50 Hz			

Stability Chambers

LCD Display

- 4-inch attractive LCD display for easy and clear monitoring
- Intelligent controller ensures temperature maintenance even in sensor failure scenarios
- Auto-tuning feature for precise and efficient temperature regulation
- Self-diagnosis capability promptly identifies and addresses errors
- Settable high/low alarm points for timely alerts
- Memory storage for up to 10000 records for historical data analysis

Touch Screen Display

- Immerse yourself in a vivid visual experience with our expansive 7-inch colour touch screen.
- Leverage the power of a Programmable Logic Controller (PLC) for versatile and efficient control.
- Temperature, Date, and Time documentation with adjustable print intervals.
- Door open Alarm system.
- Multi level alpha numerical password with password ageing

Other Features

- Ensure accountability with a secured audit trail report, providing a detailed record of system activities.
- Receive comprehensive alarm reports detailing specific alarm conditions for quick and effective response.
- Unlock advanced temperature monitoring with Mean Kinetic Temperature calculations, offering an alarm deviation report for any specified period.
- Visualize data effortlessly through graphical and tabular reports, facilitating in-depth analysis.
- Streamline operations with multi-chamber data acquisition managed seamlessly through a single software interface.
- Record and timestamp power failures and resumptions, enhancing traceability and system reliability.