

Technical datasheet

Double-Door Photostability Chambers with Humidity Control

Stability chambers with humidity control, continuously adjustable 0-10000 lx shelf lighting, a 7-inch touchscreen and an audit trail. Temperature ranges depend on humidity and light operation.



Representative double-door exterior. Internal modules and final supply follow the selected configuration; dimensions vary by model. Side-mounted water tank not shown.

Key features

- 30 segments, 99 cycles and 1-9999 h per segment
- Timestamped events and assigned user permissions
- Standard embedded printer and USB / RS-485

Standard Configuration

7-inch touchscreen with USB export, event audit trail and user permissions. Includes variable-speed refrigeration, antifog glass inner door, mechanical lock, embedded printer, USB and RS-485, two side validation ports (30 mm inside diameter) and condensate recovery. Humidity control with surface-evaporation humidification, a side-mounted water tank and one shelf-lighting module including one light source are standard. Listed supplied/maximum light sources: 1/2.

Optional Accessories

Near-UV module is optional: listed 0-2 W/m², 320-400 nm; it is not a germicidal-UV claim. Additional light sources follow the control module and have no independent display or printing. Extra shelves, software, remote messaging and qualification documents require quotation confirmation. No regulatory certification is assured.

Technical Information

Humidity / illumination state	Temperature range
Humidity off / light off	0-70 °C
Humidity off / light on	10-70 °C
Humidity on / light off	10-60 °C
Humidity on / light on	15-60 °C

Parameter	Value
Temperature resolution	0.1 °C
Temperature fluctuation at 25 °C	±0.5 °C
Temperature uniformity at 25 °C	±1.5 °C
Program segments / cycles	30 / 99
Time per segment	1-9999 h
Listed humidity range	35-95%
Listed humidity fluctuation	±5%
Illuminance: continuously adjustable	0-10000 lx

Technical Information

Model	Input power (W)	Shelves: supplied / maximum
PT-ENV-011	3850	4 / 8
PT-ENV-012	3950	4 / 8

Model	Chamber dimensions (mm)	External dimensions (mm)
PT-ENV-011	1200 × 610 × 1100	1362 × 1068 × 1796
PT-ENV-012	1200 × 760 × 1100	1362 × 1168 × 1796

Parameter	Value
Selected near-UV option: listed irradiance	0-2 W/m ²
Selected near-UV option: spectrum	320-400 nm

Selection / Ordering Information

Specify the PRECETTA model, temperature, humidity, illumination/UV needs and required modules. Confirm combined operating conditions, utilities, source quantities, installation and delivery before ordering.