

Technical datasheet

Double-Door Configurable Environmental Chambers

Temperature-controlled base chambers with 0-70 °C settings, audit records and USB export. Humidity, lighting and near-UV functions require selected extension modules.



Representative double-door exterior. Internal modules and final supply follow the selected configuration; dimensions vary by model.

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. The base configuration provides temperature control. Humidification, lighting and near-UV modules are not included in the base configuration.

Optional Accessories

Select humidity, lighting and/or near-UV modules when requesting a quote. Humidity-only and combined humidity/light configurations have different humidity ranges and power. UV values apply only to a selected UV extension. Confirm module/source quantities, installation compatibility, software, remote messaging and qualification documents; no regulatory certification or field-retrofit capability is assured. Powers for simultaneous light and UV operation are not specified; confirm them separately.

Technical Information

Parameter	Value
Base temperature range	0-70 °C
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
Electrical supply	220 V ±10 V / 50 / 60 Hz
Operating ambient	10-30 °C

Model	Base (W)	Shelves: supplied / maximum
PT-ENV-017	2900	4 / 8
PT-ENV-018	3000	4 / 8
PT-ENV-019	3100	4 / 8

Technical Information

Model	Chamber dimensions (mm)	External dimensions (mm)
PT-ENV-017	1200 × 610 × 1100	1362 × 1020 × 1794
PT-ENV-018	1200 × 760 × 1100	1362 × 1168 × 1794
PT-ENV-019	1400 × 850 × 1350	1562 × 1308 × 2050

Model	Base (W)	Humidity option (W)	Light OR UV (W)	Humidity + light OR UV (W)
PT-ENV-017	2900	3500	3250	3850
PT-ENV-018	3000	3600	3350	3950
PT-ENV-019	3100	3700	3450	4050

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
Humidity-only option: range	30-95%
Humidity + light/UV option: humidity range	35-95%
Listed humidity fluctuation	±5%
Illuminance: continuously adjustable	0-10000 lx
Listed illuminance deviation	±500 lx
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.