

Technical datasheet

Programmable Temperature and Humidity Chamber Series

Programmable chambers for temperature and humidity studies, with a 7-inch touchscreen, event records and model-specific humidity ranges.



Representative exterior view. Cabinet size, controls and shelf arrangement vary by model.

Key features

- 7-inch touchscreen and 30-segment programming
- Data records, event log and operator permissions
- USB and RS-485 interfaces

Standard Configuration

7-inch touchscreen; 30 segments and 99 cycles; data and time-stamped event records with USB export; configurable operator permissions; variable-speed refrigeration; surface-evaporation humidification with built-in water tank; glass inner door with anti-fog system; mechanical lock; one USB and one RS-485 port; two 30 mm side test ports; temperature, humidity, door, water-level and sensor alarms.

Optional Accessories

Online monitoring, SMS alarms, an embedded printer and a UV lamp are optional. Confirm scope, compatibility and delivery configuration in the quotation. No software or validation service is included by implication.

Technical Information

Parameter	Value
Temperature resolution	0.1 °C
Program capacity	30 segments / 99 cycles
Timer range	1-9999 h / Time per program segment

Model	Without humidity control (°C)	With humidity control (°C)	Humidity range (% RH)
PT-INC-072	0-70	10-60	25-95
PT-INC-073	0-70	10-60	25-95
PT-INC-074	0-70	10-60	25-95
PT-INC-075	0-70	10-60	30-95
PT-INC-076	0-70	10-60	30-95
PT-INC-077	0-70	10-60	30-95
PT-INC-078	0-70	10-60	25-95

Technical Information

Model	Temperature fluctuation	Temperature uniformity	Humidity fluctuation
PT-INC-072	±0.5 °C (25 °C)	±1 °C (25 °C)	±3%RH
PT-INC-073	±0.5 °C (25 °C)	±1 °C (25 °C)	±3%RH
PT-INC-074	±0.5 °C (25 °C)	±1 °C (25 °C)	±3%RH
PT-INC-075	±0.5 °C (25 °C)	±1.5 °C (25 °C)	±5%RH
PT-INC-076	±0.5 °C (25 °C)	±1.5 °C (25 °C)	±5%RH
PT-INC-077	±0.5 °C	±1.5 °C (25 °C)	±5%RH
PT-INC-078	±0.5 °C (25 °C)	±1 °C (25 °C)	±3%RH

Model	Input power (W)	Shelves: supplied / maximum
PT-INC-072	1900	3/4
PT-INC-073	1950	4/7
PT-INC-074	2000	4/7
PT-INC-075	3500	4/8
PT-INC-076	3600	4/8
PT-INC-077	3700	4/8
PT-INC-078	2000	4/7

Technical Information

Model	Chamber dimensions (mm)	External dimensions (mm)
PT-INC-072	510 × 390 × 760	650 × 820 × 1400
PT-INC-073	510 × 450 × 1090	650 × 880 × 1724
PT-INC-074	600 × 640 × 1050	745 × 1070 × 1695
PT-INC-075	1200 × 610 × 1100	1362 × 1068 × 1789
PT-INC-076	1200 × 760 × 1100	1362 × 1168 × 1789
PT-INC-077	1400 × 850 × 1350	1562 × 1238 × 2039
PT-INC-078	600 × 775 × 1275	745 × 1230 × 1816

Selection / Ordering Information

Specify the model, sample or application, working temperature and required shelf arrangement. Confirm electrical supply and the final configuration before ordering.