



Product Code

UTD-1440 Freezing and Thawing Chamber 285 L,
220-240 V 50-60 Hz

Standards

EN 1338, 1339, 1340, 1367-1, 1367-6, 12371, 13748-2, 13450;
CEN/TS 12390-9

Used for the determination of resistance to freezing and thawing by providing freezing/thawing in air.

The chamber is equipped with a user defined program including 10 steps. Time can be adjusted to 999 minutes for each step of the program. The temperature range of the cabinet is -30°C to $+30^{\circ}\text{C}$.

The temperature is controlled by a sensor which can be immersed either into the sample, into the water which the sample is placed into or, into the salty water solution placed on the sample before starting the test. The calibration of the sensor is carried out using the user friendly menu.

The cabinet provides maximum cooling $5^{\circ}\text{C}/\text{hour}$ and maximum heating $10^{\circ}\text{C}/\text{hour}$. The distribution of temperature in the cabinet is performed using the integral fan.

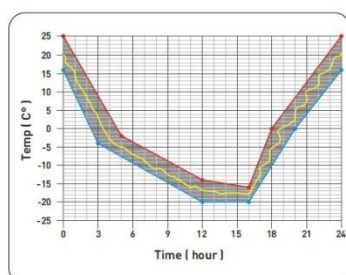
Software for data transfer to a computer is supplied complete with the cabinet, and data can be monitored during the tests. Data can be converted to an excel report or to a graph.

The condenser of the cabinet is fitted with an air cooled hermetic cooler. The gas used for the cooler does not include CFC's.



AUTOMATIC SETTINGS			
STEP	RAMP(min)	TEST(min)	TEMP($^{\circ}\text{C}$)
1	4	0	-20
2	1	0	+0
3	4	0	+20
4	0	0	+0
5	0	0	+0
6	0	0	+0
7	0	0	+0
8	0	0	+0
9	0	0	+0
10	0	0	+0
BACK Repeat Set: 5 AUTO TEST START			

The control unit is electronic and equipped with digital display with 0.1°C temperature resolution. The temperature distribution accuracy in the cabinet is not higher than 2°C .



The user can preset the time of each ramp and the number of each set by using the control unit.

Internal Dimensions	490x530x1100 mm
External Dimensions	690x860x1940 mm
Weight (approx.)	225 kg
Power	1800 W