FREEZING & THAWING CHAMBER

Product Code

UTD-1440 Freezing and Thawing Chamber for Slab Tests 280 L

Models for 220-240V 50-60 Hz, 1 ph.	UTD-1440
Models for 110-120V 60 Hz, 1 ph.	UTD-1440-N

Standards

EN 1338, 1339, 1340, 1367-6, 13748-2, CEN/TS 12390-9 (Slab Test)

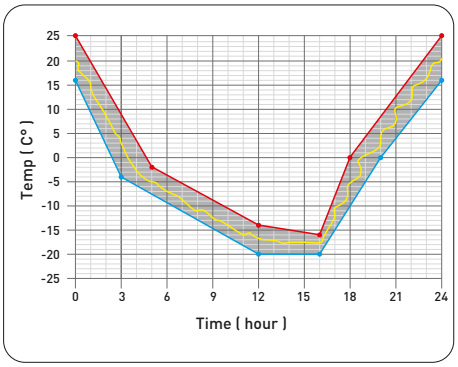
UTD-1440 is used for the determination of resistance to freezing and thawing of the construction materials.
The chamber is equipped with a user defined program including up to 16 steps. Time can be adjusted to 999 minutes for each step of the program.
The temperature range of the cabinet is -30°C to +65°C.
The temperature is controlled by a sensor which can be immersed either into the sample or 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 distribution of temperature in the cabinet is performed using an integral fan.
Free of charge Utest Software for transfering the data real-time 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.
The control unit is electronic and equipped with digital display with 0.1°C temperature resolution. The accuracy of cabin temperature distribution lower than 2°C.
The user can preset the time and target temperature of each ramp and the number of each set by using the control unit.
UTD-1440 Freezing and Thawing Chamber is supplied complete with 3 pcs. displaceable shelves and a Utest software yazılım (USOFT-1440).

AUTOMATIC SETTINGS

STEP	RAMP(min)	TEST(min)	TEMP(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.



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Internal Dimensions (wxhxd)	460x480x1260 mm
External Dimensions (wxhxd)	600x690x1900 mm
Weight (approx.)	107 kg
Power	1800 W