



Product Code

UTD-1440 Freezing and Thawing Chamber for Slab Tests 280 L
UTD-1442 Freezing and Thawing Chamber for Slab Tests 500 L

Models for 220-240V 50-60 Hz, 1 ph.	UTD-1440	UTD-1442
Models for 110-120V 60 Hz, 1 ph.	-	UTD-1442-N

Standards

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

UTD-1440 and UTS-1442 are used for the determination of resistance to freezing and thawing of the construction materials.

The chambers are 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 cabinets are performed using an integral fan.

Free of charge Utest Software for transferring 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 cabinets are fitted with an air cooled hermetic cooler. The gas used for the cooler does not include CFC's.

The chamber is controlled via the onboard digital unit. Additionally, real-time temperature data can be test recorded throughout the via a computer and the free Utest software.

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.

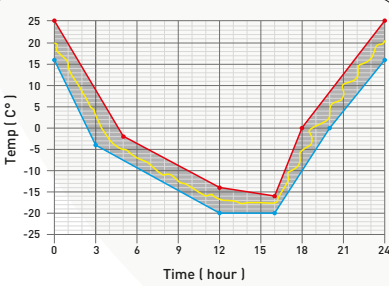
The user can preset the time and target temperature of each ramp and the number of each set by using the control unit.

UTD-1440 and UTD-1442 Freezing and Thawing Chambers are supplied complete, 3 pcs. displaceable shelves and a Utest software (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.



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

Product Code	UTD-1440	UTD-1442
Internal Dimensions	460x480x1260 mm	702x807x2050 mm
External Dimensions	600x690x1900 mm	581x685x1500 mm
Weight (approx.)	100 kg	150 kg