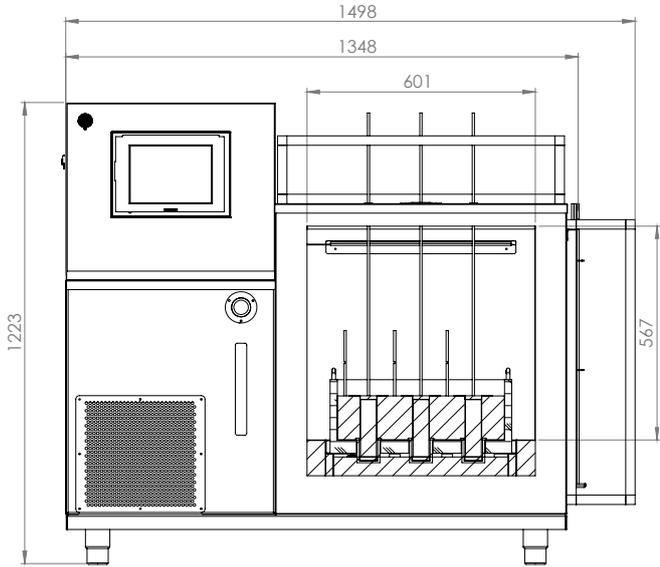
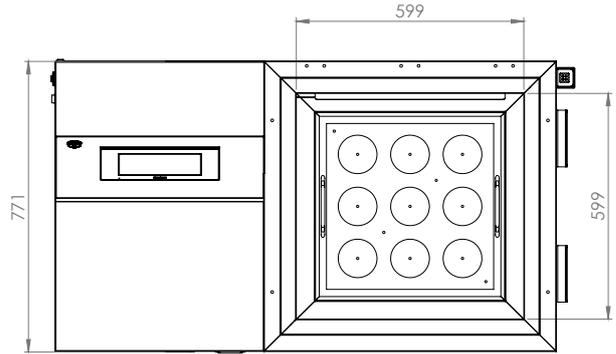


# Frost Heave Test Chamber

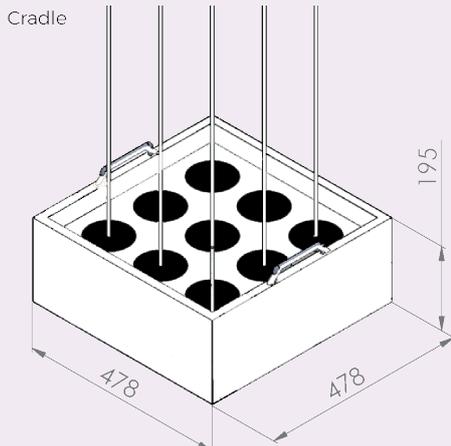
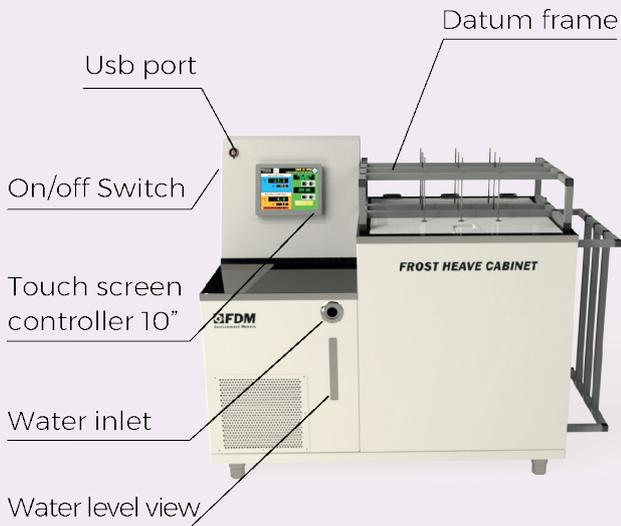
FHU812PRO



P.1 Front view



P.2 Top view



**Air Test Volume**



200 liters

**Air Temperature**



-22/-16 °C

**Water Temperature**



3/4.5°C

**Interface**



revo**FACE+**

**Weight**



350 Kg

**Weight**



220/240V 50Hz

<b>Model code</b>	<b>FHU812PRO</b>
<b>Air Temperature data</b>	
Temperature range [°C]	-22/-16
Temperature fluctuation [± K]	0.3
<b>Water Temperature data</b>	
Temperature range [°C]	+3/+4.5
Temperature fluctuation [± °C]	0.1
<b>Controller and probe data</b>	
Controller	<i>revo</i> <b>FACE+</b> Programmable 10" Touch screen controller. Start and control automatically water and air temperature. The controller alert the user when is time to take the frost heave measure.
Probe	12 total probes that works as Datalogger. 2 of it are <b>PT100</b> to water and air control. Other 10 probes are <b>Thermocouple</b> , to monitor different points in agreement with BS812:PT124:1989.
<b>Structure and insulation</b>	
Exterior material	White coated galvanized steel
Internal material	AISI 304 Stainless Steel
Insulation	CFC and HCFC free
<b>Alarm and security</b>	
Type alarm	Audio-visual
Alarm parameter	Temperature deviation
Remote connection	.
Security device	Safety device with reset class 1 (DIN 12880)
<b>Data Dimension</b>	
Net Interior volume [l]	200
Net weight of the unit [Kg]	350
<b>Air/Water Test Volume</b>	
Width [mm]	601
Depth [mm]	599
Height [mm]	567
<b>Exterior Structure Dimension</b>	
Width [mm]	1498
Depth [mm]	771
Height [mm]	1223
<b>Main Door</b>	
Number of Door	1
<b>Electrical Data</b>	
Rated Voltage [V]	220/240
Power Frequency [Hz]	50
Nominal Power [kW]	1.8
Unit Fuse [A]	16
Phase (Nominal voltage)	1~

All technical data are specified for units with standard equipment at an ambient temperature of 25 °C and a voltage fluctuation of ±10 %.

## Options supplied with the SRU

- Cradle for 9 specimens (according to BS812:PT124:1989)
- Datum frame (according to BS812:PT124:1989)
- 9 Brass rods
- Constant level device to control water supply
- Other Voltage output on request

Supports for easy holding of datum frame and brass rods while not used.

For further information click or go to:

 [bit.ly/2lVr28V](https://bit.ly/2lVr28V)



FDM - ENVIRONMENT MAKERS

FDM reserves the right to modify its equipment at any time without updating this manual.