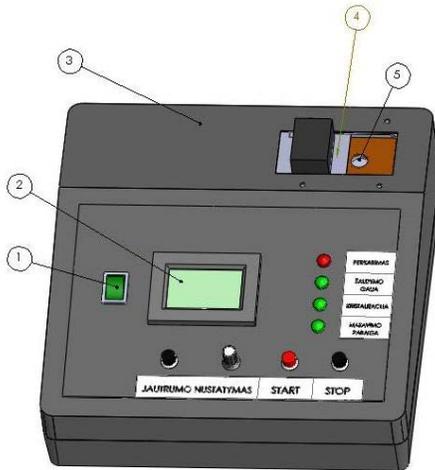


Automatic freezing point analyzer

Applications and operation. An automatic freezing point analyzer (hereinafter - Device) is designed for the automatic freezing point measurement of water solutions of alcohols and glycols, but it could be configured for other mixtures as well. Operation of the device is based on the change of optical features of liquid under freezing and automatic fixation of balance between liquid and solid phases. The device allows the measuring of liquid freezing temperatures from +10°C to -40°C Easy operation - simply inject approximately 50µl of the liquid and press Test (no pre-test procedures are necessary) and Device automatically delivers precise results in a few minutes.



External view of device is displayed in the figure. 1- Power On/Off, 2- Digital indicator, 3- Base, 4- Cover with the temperature sensor, 5- Measurement cell.

In the rear panel water inlet and outlet and port for extra connection of the external measurement device are arranged.

MAIN SPECIFICATIONS

No	Parameter	Value
1	Size,mm	220×220×110
2	Weight,kg	1.5
3	Power supply	100-230 V, 40 W
4	Water requirements, l/min	0.5
5	Sample amount	50 µl
6	Measurement range, °C	+10 ÷-40
7	Resolution, °C	0.1
8	Repeatability, °C	±0.1
9	Measurement duration, min	4- 6

OPTIONS AND CUSTOM-BUILT CONFIGURATIONS

1. The device could be offered with an additional Analog/Digital converter and software for PC connection.
2. Wider temperature range.
3. Air cooled modification (without water cooling).
4. More configurations- on request.