

FREEZING POINT AUTOMATIC TESTER WITH INTEGRATED COOLING (STAND-ALONE UNIT) ASTM D 2386 - IP 16 - ISO 3013 - DIN 51421

The apparatus consists of a benchtop case containing the cooling compressor with the cooling jacket and supporting the analytical head. An 8.4" touch screen interface on the front permits to control the instrument, calibrate the sensors, retrieve and print data. Two USB, serial and Ethernet connector on the rear panel allows the user to connect to printers or network.



FP-80

- Enamel finished steel case, benchtop version.
- Jacket and sample containers conform to ASTM, IP, ISO and DIN standard methods.
- Thermally insulated jacket capable to reach -80°C equipped with a patent-pending integrated cooling system based on thermoelectric cooling: this technology has permitted to reduce dimensions, weight, power consumption, noise and heat dissipation making the equipment more reliable since single-stage cooling compressors require much less maintenance if compared to cascade double-stage ones.
- Optical detection of freezing point through IR sensor: sample is cooled until crystals appear and then heated until their disappearance to determine the result. Accuracy of temperature reading: $\pm 0.1^{\circ}\text{C}$.
- Electric stirrer 75 rpm complete with brass stirring coil and mechanism.
- 8.4 inches touch screen interface that permits to introduce the analytical data, control the test and display the results. Tests can be run acc. to ASTM/IP/ISO/DIN methods or to user defined methods. Software includes diagnose and calibration tools with all modern QC routines.
- Two USB, one RS-232 and one Ethernet connector for connecting to printers and network even through wireless pendrives.
- English written user manual. CE marked.
- For 220 V/50 Hz connections: 500 W power supply.
- Dimensions and weights (l x w x h): 400 x 750 x 750 mm, 50 kg.

FP-80 Apparatus

ACCESSORIES

PRN01 Printer

CONSUMABLES

FP020 Sample container
 FP021 O-Ring for sample container
 FP022 Pt100 for sample temperature detection
 FP023 Optic fiber
 FP024 Stirrer coil
 FP025 Stirrer motor

Specifications may vary without notice.

The apparatus is supplied bare without glassware (if any), accessories and consumables.



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