Technical datasheet

Manifold Benchtop Laboratory Freeze Dryer

A benchtop freeze dryer with a manifold drying chamber and four trays, a listed minimum temperature of -60 °C and a standard vacuum pump.

Image shows the main unit and selected drying arrangement. Confirm supplied glassware and connections; the standard vacuum pump is not shown. Dimensions below describe the main unit without the drying head.

Key features

Temperature/vacuum display and real-time curves

Data storage and standard USB export

Vacuum pump included; drying head specific to this model

Standard Configuration

Variable-speed refrigeration, insulated cold trap, controller displaying cold-trap temperature, sample temperature and vacuum, real-time curves, stored data, one USB interface and a vacuum pump. Drying arrangement: manifold drying chamber and four trays.

Optional Accessories

Confirm flask/vial sizes, quantity and supplied glassware, sample compatibility, vacuum tubing and final delivery scope. No -85 °C option is specified for this benchtop model. Minimum temperature, ultimate vacuum and water-capture figures are listed limits; loaded performance and test conditions require confirmation.

Technical Information

Parameter	Value
Model	PT-LYO-007
Listed water capture	4 kg / 24 h
Listed minimum temperature	-60 °C
Ultimate vacuum	<1 Pa
Input power (W)	900 W
Electrical supply	AC 220 V ±10% / 50 Hz
Ambient operating temperature	10-30 °C
Drying area	0.12 m²
Material trays	4
Listed tray solution capacity	1500 mL

Parameter	Value
Cold-trap dimensions (diameter × height)	215 × 220 mm
Tray dimensions (diameter × height)	195 × 24 mm
Main unit dimensions (W × D × H)	600 × 545 × 375 mm

Selection / Ordering Information

Specify PRECETTA PT-LYO-007, sample composition, solution volume and required drying conditions. Confirm utilities, pump connections and final accessories before ordering.