



Technical Specifications

Drying channel

- Length: 2000mm approx.
- Internal dimensions: 350×350mm
- 4 drying trays: 300×300mm each

Fan

- Power: 33W
- Max. output: 700 m³/h
- Max. speed: 950 min⁻¹

Heater

- Power: 0–3500W with adjustable temperature limiter

Balance

- Measuring range: 0–10000g
- Resolution: 0.1g
- Application temperature: 0–75°C

Measuring ranges

- Humidity: 0–100% rel.
- Temperature: -100–400°C
- Air velocity: 0–2.5 m/s

Continuation Specification:

- Drier for investigating convection drying of solids.
- Drying on 4 corrosion-resistant trays in a drying channel with an air flow.
- Adjustment of air velocity via the speed of the fan.
- Air heating with a controlled heater.
- Digital balance for measuring the change of weight during drying.
- 1 combined sensor for measurement of humidity and temperature before and after the solid sample.
- 1 air velocity sensor.
- Digital stopwatch, battery-operated.

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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- Software for data acquisition via USB under Windows 7 or latest. (Preferred if with a complete desktop computer)

Experiment

- Influence of air temperature and humidity on drying intensity.
- Plotting of drying curves with constant external conditions.
- Determination of drying rate with different air parameters and different solid properties
- Evaluation of drying processes using energy and mass balances.

NOTE :

- Computer is Not Included in our scope of Supply

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