



LABORATORY UTILITIES / HEATING &amp; TEMPERATURE

# LABORATORY MICROWAVE OVEN

Fast, controlled heating for approved laboratory workflows.

The ALC-MWO-20 Laboratory Microwave Oven is a compact 20-litre benchtop system for controlled microwave heating, warming and method-approved laboratory preparation using compatible vessels and procedures.



CAPACITY 20 litres

MICROWAVE OUTPUT 700 W

POWER LEVELS 5 levels

MODEL

ALC-MWO-20

CATALOGUE NUMBER

To be confirmed

## REFERENCE SPECIFICATION SET

Values shown are reproduced from supplied ALC-Scientific artwork; final procurement values require approved datasheet confirmation.



## PRODUCT OVERVIEW

# Fast, controlled heating for approved laboratory workflows.

The ALC-MWO-20 reference configuration combines 700 W microwave output, five power levels, a digital timer, stainless-steel chamber and safety-interlocked front door. It is intended only for validated laboratory methods using microwave-compatible vessels and materials.



## CAPACITY

20 litres

## MICROWAVE OUTPUT

700 W

## POWER LEVELS

5 levels

## Key Features

- 700 W microwave output
- Five selectable power levels
- Digital timer and LED display
- Stainless-steel interior chamber
- Door safety interlock and child lock
- Overheat and high-voltage protection
- Compact easy-clean benchtop enclosure

## Working Principle

Microwave energy interacts with compatible polar materials to generate heat within the sample. The selected power level and operating time determine the heating profile. Only validated microwave-compatible vessels and procedures should be used.

### TYPICAL APPLICATIONS

Method-approved sample warming / Media preparation / Laboratory heating trials / Defrosting and thawing where validated / Educational demonstrations



## REFERENCE TECHNICAL DATA

# Final values require approved model-datasheet confirmation.

PARAMETER	REFERENCE SPECIFICATION
Model	ALC-MWO-20
Capacity	20 litres
Microwave power	700 W
Power levels	5
Timer range	0 - 35 minutes
Interior material	Stainless steel
Exterior material	Powder-coated steel
Voltage	220 - 240 V AC, 50 Hz
Power consumption	1150 W
Turntable diameter	245 mm
Safety	Door interlock, overheat and high-voltage protection
Cooling	Internal cooling fan
Dimensions	440 x 340 x 260 mm
Net weight	11.5 kg, approx.

### STANDARD SUPPLY

- Glass turntable
- Turntable ring
- Power cord
- Operation manual

### INSTALLATION

- Stable heat-resistant bench
- Earthed AC supply
- Required ventilation clearance
- Use approved microwave-compatible vessels
- Inspect door and interlock before operation

### TO BE CONFIRMED

- Laboratory method validation
- Exact programme functions
- Leakage test / service records
- Warranty period
- Applicable compliance documentation



## LABORATORY APPLICATIONS

# A practical platform for controlled laboratory workflows.

## Applications

- Method-approved sample warming
- Media preparation
- Laboratory heating trials
- Defrosting and thawing where validated
- Educational demonstrations
- General laboratory utility use

## Product Advantages

- Fast laboratory heating
- Simple digital operation
- Five power-level settings
- Compact 20-litre format
- Easy-clean stainless-steel chamber
- Integrated reference safety functions



SCAN FOR PRODUCT PAGE

## Request a model-specific quotation.

Share your application, required capacity or range, preferred configuration, quantity, installation city and documentation needs. Final performance values and accessories are issued with the approved technical datasheet and quotation.

### ALC-SCIENTIFIC LABORATORY SYSTEMS

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OEM / PRIVATE LABEL AVAILABLE

Product images are for reference and may vary according to the selected configuration. Specifications, dimensions, accessories and designs are subject to change. Final specifications are those stated in the approved technical datasheet and commercial quotation. Standard warranty: To be confirmed according to the selected product and approved commercial quotation.