



MICROBIOLOGY / LABORATORY UTILITIES

INFRARED STERILIZER

ALC-IRS Series

**Flame-free sterilization
with high efficiency.**

The ALC Infrared Sterilizer Series provides rapid, flame-free sterilization of inoculating loops, needles and small instruments for microbiology, QC and research laboratories.

**MAX. TEMPERATURE****800–1000 °C****HEATING TIME****Approx. 5–7 sec****APPLICATION****Microbiology****MODEL****ALC-IRS Series****CATALOGUE NUMBER****To be confirmed**



OVERVIEW & FEATURES

MICROBIOLOGY / LABORATORY UTILITIES

Rapid flame-free sterilization for microbiology and laboratory QC workflows.

The ALC-Scientific Infrared Sterilizer Series provides fast, efficient sterilization of inoculating loops, needles and small laboratory instruments without an open flame. Its compact design, rapid heating and simple operation make it suitable for microbiology, quality-control and research laboratories.



MAX. TEMPERATURE

800–1000 °C

HEATING TIME

Approx. 5–7 sec

APPLICATION

Microbiology

Key Features

- ✓ Flame-free sterilization
- ✓ Rapid heat-up cycle
- ✓ Compact benchtop design
- ✓ Simple one-button use
- ✓ Suitable for loops and needles
- ✓ Stable operation for QC and research use

Working Principle

An infrared ceramic heating element rapidly raises the inner chamber temperature to sterilize small instruments placed in the opening. The open-flame-free process reduces risk while providing quick and repeatable decontamination.

TYPICAL APPLICATIONS

- Inoculating loop sterilization
- Needle sterilization
- Microbiology benches
- QC laboratories
- Research workflows



REFERENCE TECHNICAL DATA

Model-specific values require approved OEM confirmation.

PARAMETER	REFERENCE SPECIFICATION
Product type	Infrared Sterilizer
Temperature range	800–1000 °C
Heating time	Approx. 5–7 sec
Heating source	Infrared ceramic element
Application	Loop / needle sterilization
Operation	Benchtop, flame-free
Control	Simple push-button operation
Power supply	220–240 V AC, 50 Hz
Construction	Stainless steel heating head with insulated base
Suitable use	Microbiology / QC / research labs

STANDARD SUPPLY

- Main unit
- Power cord
- User manual
- Basic accessory kit
- Selected standard plug

OPTIONAL / MODEL-DEPENDENT

- Alternative voltage / plug formats
- Validation documentation
- Spare heater assembly
- Additional accessories
- OEM labeling options

TO BE CONFIRMED

- Final model configuration
- Compliance requirements
- Site requirements
- Required documentation
- Delivery timeline
- Commercial terms



APPLICATIONS & ENQUIRY

LABORATORY APPLICATIONS

A practical tool for quick sterile laboratory handling.

Applications

-  Inoculating loop sterilization
-  Needle sterilization
-  Small instrument sterilization
-  Microbiology benches
-  Quality-control workflows
-  Academic research labs

Product Advantages

-  Flame-free operation
-  Rapid heating response
-  Compact footprint
-  Safer than open-flame alternatives
-  Easy daily operation
-  OEM / private-label suitability

INDUSTRIES SERVED

Research laboratories / Academic institutions / Diagnostic / Pharmaceutical / Microbiology laboratories



SCAN PRODUCT PAGE

alcscientific.com/brochure/infrared-sterilizer

Request a model-specific quotation.

Share your application, preferred configuration, plug / power requirement, installation city and documentation needs. Final performance values and specifications are validated with the approved technical datasheet and commercial quotation.

ALC-SCIENTIFIC LABORATORY SYSTEMS

OEM / PRIVATE LABEL AVAILABLE

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Specifications are subject to change without prior notice.