# Digital Portable Autoclave - Microcomputer Steam Sterilizer - 18L 24L 30L - 50-126°C Interlock

Model **MSSTP-A18LSWISS, MSSTP-A24LSWISS, MSSTP-A30LSWISS** | Brand **Master Science**







The Master Science Digital Portable Autoclave brings microcomputer control to a compact, upright sterilizer for clinics, small laboratories and teaching rooms. It is offered with 18 L, 24 L and 30 L stainless steel chambers and sterilizes at up to 126°C and 0.142 MPa.

KEY HIGHLIGHTS

- Automatic finish
- Safe lid opening
- Repeatable cycles
- Comprehensive protection

AT A GLANCE

**50 to 126°C**
TEMPERATURE SETTING RANGE

**1 to 999 min**
TIME SETTING RANGE

**Stainless steel, 2.0 mm wall (reference)**
CHAMBER MATERIAL

**Request a Quotation**
Contact us for pricing, configuration options and delivery details.

support@themsci.com
www.themsci.com

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## Overview

An LED digital controller sets temperature from 50 to 126°C and time from 1 to 999 minutes, then raises an alarm and shuts down when the cycle is complete. Preset programmes and a memory function that recalls the last cycle make the Master Science Digital Portable Autoclave quick to use for repeat loads.

Manual pressure cookers need constant watching and carry real risks. The Master Science Digital Portable Autoclave helps with:

## Key Benefits

**Automatic finish**
The controller sounds an alarm and switches off when sterilization ends.

**Safe lid opening**
Real-time temperature and pressure monitoring allows the lid to open only when conditions are safe.

**Repeatable cycles**
Preset programmes and last-cycle memory reduce setup errors.

**Comprehensive protection**
Over-temperature, over-pressure, anti-dry and leakage protection are built in.

For electric or LPG heating in the field, see our portable steam autoclave 18L and 24L.

## Technical Specifications

| GENERAL | |
|---|---|
| Brand | Master Science |
| Model Number | MSSTP-A18LSWISS, MSSTP-A24LSWISS, MSSTP-A30LSWISS |
| SKU | MSSTP-A18LSWISS, MSSTP-A24LSWISS, MSSTP-A30LSWISS |
| Brand | Master Science |
| Models | MSSTP-A18LSWISS (18 L), MSSTP-A24LSWISS (24 L), MSSTP-A30LSWISS (30 L) |
| SKU | MSSTP-A18LSWISS, MSSTP-A24LSWISS, MSSTP-A30LSWISS |
| Configuration | Semi-automatic |
| Chamber Material | Stainless steel, 2.0 mm wall (reference) |
| Temperature Setting Range | **50 to 126°C** |
| Time Setting Range | **1 to 999 min** |
| Rated Working Pressure | 0.142 MPa |
| Power | 220 V, 2 kW |

| DIMENSIONS & WEIGHT | |
|---|---|
| Chamber Size | 18 L: Ø269 × 260 mm; 24 L: Ø269 × 320 mm; 30 L: Ø269 × 420 mm |
| External Dimensions | 18 L: 440 × 445 × 629 mm; 24 L / 30 L: 440 × 484 × 815 mm |

| PROBLEMS THE MASTER SCIENCE DIGITAL PORTABLE AUTOCLAVE SOLVES | |
|---|---|
| Watching the gauge | Digital timing and automatic shutdown free the operator. |
| Opening under pressure | The interlock keeps the lid closed until temperature and pressure are safe. |
| Boil-dry damage | Anti-dry protection switches off the heater before damage occurs. |
| Repeating settings | Program memory recalls the last cycle instantly. |

## Applications

**The Master Science Digital Portable Autoclave is suited to**

Clinics and dental practices Small microbiology and teaching laboratories Sterilizing instruments, glassware and small media batches Beauty and tattoo studios Veterinary clinics

## Control

- LED digital microcomputer control
- Automatic alarm and shutdown at cycle end
- Preset programmes for different items
- Memory of the last sterilization programme
- Digital display and working indicator lights

## Structure

- Stainless steel chamber
- Quick-opening lid for better sealing and safety

## Safety

- Temperature and pressure interlock on the lid
- Over-temperature and over-pressure protection
- Anti-dry-burn protection
- Safety relief valve
- Current leakage protector
- Automatic fault detection

## Standard Accessories Included

- Portable autoclave main unit