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.

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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