

TECHNICAL DATA SHEET

Levon™ HP100-HT High-Temperature Hotplate (to 600 °C)

215 × 215 mm plate · RT to 600°C · $\pm 0.2^{\circ}\text{C}$ precision · $\pm 4\%$ uniformity · 2.5 kW



Levon™ HP100-HT High-Temperature Hotplate (to 600 °C) — Representative Configuration

The Levon™ HP100-HT High-Temperature Hotplate (to 600 °C) is a high-temperature hot plate with a 215 × 215 mm heating plate, offered with a digital temperature controller (HP100-HT) or touchscreen linear programmable profiling (HP100-HT-CTM). Image shown for reference (HP100-HT); final configuration is confirmed in the quotation.

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SECTION I

Product Overview

Levon™ HP100-HT High-Temperature Hotplate (to 600 °C) is a high-temperature hot plate with a 215 × 215 mm heating plate, a temperature control range of RT to 600°C, 0.1°C resolution, $\pm 0.2^\circ\text{C}$ temperature control precision and $\pm 4\%$ temperature uniformity. It is offered as the HP100-HT with a digital temperature controller and the HP100-HT-CTM with touchscreen-controlled linear programmable temperature profiling.

Both configurations use an insulated structure that separates the control box and components from the heat source. Heating plate construction and housing surface treatment are listed by configuration below. Power input is AC 220 V, 2.5 kW; the unit measures 245 × 347 × 352 mm (W × D × H) and weighs 16 kg.

SECTION II

Core Advantages

- **600°C heating plate** 215 × 215 mm heating plate, RT to 600°C, $\pm 4\%$ temperature uniformity.
- **Surface-treated housing** Housing surface treatment provides oxidation and discoloration resistance; see the configuration comparison.
- **Insulated control box** Insulated structure keeps the control box and components away from the heat source.
- **Corrosion- and oxidation-resistant plate** Ceramic and stainless steel heating plate construction with corrosion and oxidation resistance (see the configuration comparison).
- **Independent heating-output control (HP100-HT)** The HP100-HT uses an independent control circuit for the heating output.
- **Two control options** Digital temperature controller (HP100-HT) or touchscreen-controlled linear programmable temperature profiling (HP100-HT-CTM).

SECTION III

Specifications

Technical data — HP100-HT

Specifications	
Parameter	Specification
Brand	Levon™ by ACS Material
Product Name	Levon™ HP100-HT High-Temperature Hotplate (to 600 °C)
Models	HP100-HT / HP100-HT-CTM
SKU #	LVH1HTBA (HP100-HT) / LVH1HTCM (HP100-HT-CTM)
Product type	High-temperature hotplate
Heating plate	215 × 215 mm square
Temperature control range	RT to 600°C
Temperature resolution	0.1°C
Temperature control precision	$\pm 0.2^\circ\text{C}$
Temperature uniformity	$\pm 4\%$
Insulation	Insulated structure keeps the control box and components away from the heat source
Power input	AC 220 V, 2.5 kW
Dimensions [W × D × H]	245 × 347 × 352 mm
Weight	16 kg

Configurations — HP100-HT / HP100-HT-CTM

Configurations		
Parameter	HP100-HT	HP100-HT-CTM
SKU #	LVH1HTBA	LVH1HTCM
Temperature control	Digital temperature controller	Touchscreen-controlled linear programmable temperature profiling system
Heating plate	Stainless-steel-coated ceramic heating plate, corrosion resistant and oxidation resistant	Ceramic-coated stainless steel heating plate with corrosion and oxidation resistance

Configurations		
Parameter	HP100-HT	HP100-HT-CTM
Housing	Shell coated with a stainless steel surface, for oxidation and discoloration resistance	Stainless steel housing with surface coating treatment for oxidation and color resistance
Packing	Paper case	Carton packaging
Warranty / quality assurance	1-year product quality assurance	1-year product warranty

HP100-HT — additional specifications

HP100-HT	
Parameter	Specification
Heating output	Independent control circuit

Scope of delivery

- **Standard configuration:** one HP100-HT main unit (paper case) or one HP100-HT-CTM main unit (carton packaging), as ordered.
- **Control option** — digital temperature controller = SKU LVH1HTBA; touchscreen linear programmable profiling = SKU LVH1HTCM.

SECTION IV

Applications

For high-temperature baking and annealing of substrates on a 215 × 215 mm plate from RT to 600°C. The HP100-HT is designed for compact semiconductor research.

Product value: heating to 600°C on a 215 × 215 mm plate with an insulated control box and a choice of digital or touchscreen-programmed control.

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