



# Lämpölevy / lämmittävä magneettisekoittaja HP50 / HS50



**OY TEO-PAL AB**

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## Features:

- extremely easy use by anyone in your lab
- two memory buttons for storing your favorite settings for heater and stirrer for instant, one-button recall and use
- platinum RTD temperature measurement for precision and accuracy
- solid ceramic heater top for quick heating on a flat, white, chemically resistant surface. Milled flat cast aluminum top also available
- cast aluminum framed ceramic heater top edges stay cooler to prevent burns
- PID temperature control for exact, tight sample control of plate or solution
- timer goes up to 99 hours, 59 minutes and 59 seconds with settable Auto-Off for exactly timed sample preparation
- electronic calibration stored in chip. No batteries to replace
- 6" (15.24 cm) ceramic glass or aluminum tops
- strong motor and magnet for stirring most samples
- stir 2 liters of aqueous solutions
- full featured digital display for checking all parameters instantly
- fused for safety
- ETL, CSA and CE certified
- RS232 interface for control or for data collection on a computer

## Product Description:

The EchoTherm HP50 and HS50 are designed to be the easiest to use and most accurate fully featured hot plates and stirring hot plates in the world. Temperature measurement of a solution is accurate to 1% over the entire temperature range using a 100-ohm platinum RTD sensor and measurement system.

Calibration of temperature is electronic and stored in memory. The calibration is set at the factory but can be done easily in the field using the probe calibration kit offered as an accessory.

The chassis on both models is cast aluminum designed to keep spills and heat out of the electronics. They are coated with chemically resistant epoxy based paint for durability.

## Product Specification:

### Temperature Measurement:

Platinum RTD	100 ohm at zero in plate and in probe
Range	0 ... +450 °C on ceramic / aluminum plate
Readability	1 °C

### Hot Plate:

Dimensions	15,24 x 15,24 cm
Maximum plate temperature	+450 °C ceramic / aluminum
Temperature control type	PID
Temperature accuracy	1 % of reading
Temp stability	± 1 °C
Heater power in watts	400 W

### Stirrer:

Speed range unloaded	100 ... 1500 rpm
Readability	10 rpm
Capacity	2 liters of water
Settability	nearest 10 rpm

**Electrical:**

Available in	100, 115 and 230 VAC, 50/60 Hz
Fused	yes
Line cord	detachable, 1,8 m, three-wire grounded

**Dimensions:**

Dimensions unpacked	
Width	17,80 cm
Depth	25,40 cm
Height	11,43 cm
Dimensions packed	
Length	38,10 cm
Height	22,86 cm
Width	25,40 cm
Weight, unpacked	3,17 kg
Weight packed for shipment	4,07 kg

**Accessories Available:**

- HS30-600 Probe, Immersion, 6" stainless steel
- HS30-601 Probe, Immersion, 10" stainless steel
- HS30-602 Probe, Immersion, 6" ptfе
- HS30-603 Probe, Immersion, 6" solid glass
- HS30-604 Probe, immersion, 9" solid glass
- HS50-600 Probe, 4" stainless steel
- HS30-700 Temperature Probe Calibration Kit
- HS30-800 Plate and Probe Calibration Kit



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