



# Lämpölevy / lämmittävä magneettisekoittaja HP30 / HS30



**teopal**   
*Palvelun verran parempi.*

**OY TEO-PAL AB**

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## Features:

- Extremely easy use by anyone in your lab
- 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 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
- Temperature ramping for exact heating and cooling rates
- Timer goes up to 99 hours, 59 minutes, 59 seconds with settable Auto-Off for exactly timed sample preparation
- Electronic calibration stored in chip. No batteries to replace
- Strong motor and magnet for stirring most samples
- Stir up to 2 liters of aqueous solution from 100-1500 rpm (HS30 and HS30A)
- Full-featured digital display for checking all parameters instantly
- High and neutral lines fused for safety
- UL, CSA and CE certified

## Product Description:

The EchoTherm HP30 and HS30 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 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:

### Programming:

Memory capacity	10 programs
Individual program capacity	10 steps
Repeat a program automatically	1 to 98 timer or infinitely

### 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	20,3 x 20,3 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	600 W

**Stirrer:**

Speed range unloaded	100 ... 1500 rpm
Readability	1 °C
Capacity	2 liters 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	23,18 cm
Depth	40,01 cm
Height	12,07 cm
Dimensions packed	
Length	31,12 cm
Height	46,36 cm
Width	24,13 cm
Weight, unpacked	5,4 kg (ceramic top) / 5,9 kg (aluminum top)
Weight packed for shipment	6,3 kg (ceramic top) / 6,8 kg (aluminum top)

**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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