



## PIP 5 Temperature Controlled Pipette Puller

The HEKA PIP 5 pipette puller outperforms any other patch pipette puller with its temperature controlled heating filament. This temperature control replaces the conventional control of the filament current resulting in improved reproducibility of the pipettes. Due to the temperature control the settings do not have to be corrected repeatedly as the temperature control works independently from condition, age, and material of the filament. This affects mainly the lower temperatures of the second pull.

The pipettes are produced by a 2-stage vertical pull at two independently selectable temperatures. Different spacer disks, which determine the individual pull length, allow production of pipettes of nearly every use. Due to the symmetry of the pull you will always receive two equivalent pipettes.

The PIP 5 is CE-certified and is equipped with a safety switch to prevent a heating of the filament with an open cover panel. The PIP 5 works without noisy ventilator. Due to the current circuitry the PIP 5 requires no ventilation for cooling.

With its compact design the PIP 5 fits on every lab bench. Simple operation and highest quality at a favorable price are taken for granted.

### Feature Summary

- Temperature controlled filament
- High reproducibility of pipettes
- Two-stage pull of all kinds of pipettes
- Two independent temperature settings
- Simple exchangeable space disks
- Heating element adjustable in 2 dimensions
- Faster attained set temperature especially with the second pull
- Economic current circuit requires no ventilator for cooling
- Safety switch at the cover prevents heating-up the filament with an open cover panel



### Technical Specifications

**Filament temperature range:**

300°C – 1900°C

**Glass types:**

suitable for all soft- and hard glass (except Quartz glass) of 1–3 mm

**Dimensions (HxWxD):**

(345 x 240 x 330) mm, (13.6 x 9.4 x 13.0) inch

**Weight:**

16 kg, 35.3 lbs

**Power requirements:**

100–130 V or 200–260 V (selectable at the rear)  
350 W

### Service & Support

As the first manufacturer of patch clamp amplifiers in the world, HEKA knows and appreciates the needs of the scientific community. We provide exceptional pre- and post-sales customer support from our trained international sales representatives and technical advisors.