



**Space-saving and dependable performance**

- Small footprint and quality manufacturing for reliable performance on your bench space
- Powerful Peltier element with Long Life Technology for enhanced stability, outperforming standard Peltier elements
- Low-noise and high durability cooling fans working from front to back to maximize workspace

**Versatility**

- Automatic Optical Inspection of printed Universal heating block accommodating both 0.2 ml and 0.5 ml tubes
- Software for the most sophisticated PCR protocols including adjustable ramping, increment and decrement of time and temperature, store commands
- Incubation mode enables dual use as a digital dry bath
- Auto-restart after power failure, optionally starting with a denaturation step

**Consistent quality**

- Manufacture in Germany under ISO 9001 and ISO 13485 quality certification
- Accurate calibration to NIST standard, regularly monitored by the German Calibration Service (DKD)
- Manufacturing process uses latest Technologies including 3D Post-Reflow circuit boards function and pause

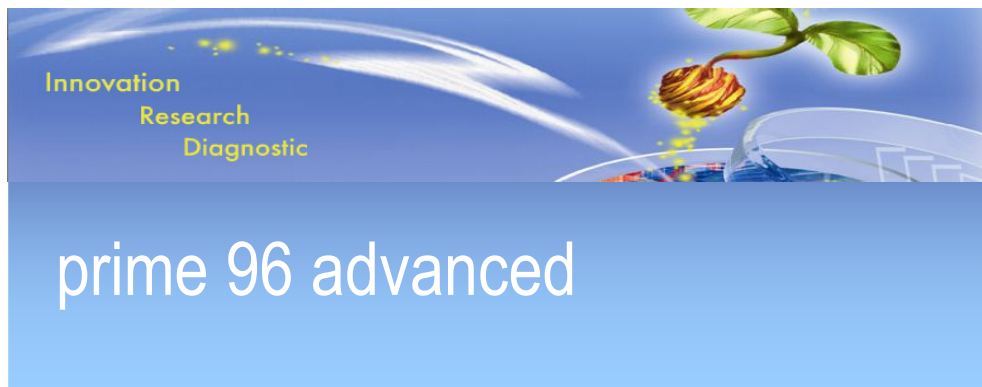
**Our Service Pledge**

- Personal and professional support through our application hotline and local field representatives
- Product demonstrations, installation and on-the-spot instruction
- Rapid delivery times

**Technical Specifications**

Peltier element:	PT 1000
Thermal probe:	4 to 105 °C
Temperature range:	+/- 0.1 °C
Regulating accuracy:	+/- 0.7 °C
Block uniformity (at 72 °C):	2 °C/s
Heating and cooling rate:	90 (with up to 99 steps/program)
Max. number of programs:	optional: any number of programs via PC software
	0.1 to 2.0 °C/s
Adjustable ramping:	0:01 to 9:59 minutes
Increment/decrement time:	0.1 to 9.9 °C
Increment/decrement temp.:	universal block for 25 x 0.2 ml tubes
Block capacity:	or 13 x 0.5 ml tubes with flat caps
	70 to 99 °C, with automatic height adjustment
Heatable lid:	Centronics, RS232
Interfaces:	225 x 250 x 280 mm
Dimensions (W x H x D):	6.3 kg
Weight (incl. block):	220 - 240 V AC, 50 - 60 Hz, 120 VA
Power supply/consumption:	





**The Prime 96 advanced meets all requirements of a modern thermocycler: speed, intelligent software, simple operation and maximum flexibility provided by an innovative exchangeable thermoblock system - PCR technology of the highest level. And by means of a simple software upgrade, upgrade your Prime 96 advanced to a genuine gradient cyler!**

## Innovation and Reliability

Years of practical molecular biology skill and manufacturing experience has been built into the Prime 96 PCR system range of thermocyclers. The result: high performance, innovative technology combined with maximum reliability.

- **Speed:** optimized Peltier elements, heat sinks and novel software for the shortest run times
- **Precision:** PT 1000 thermal probes for maximum accuracy and reproducible results
- **Reliability:** developed specifically for the Prime 96 range, Peltier elements with Long-Life- and High-Temperature-Range (HTR) technology for the longest operating life
- **Quality:** extensive quality controls in the production of the Prime 96 thermocyclers and accurate calibration to NIST standard
- **Production:** certified according to ISO 9001 and ISO 13485 quality regulations

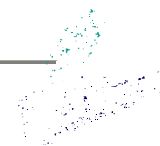
## Our Service Pledge

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## Technical Data

- 6 Peltier elements with HTR technology and PT 1000 thermal probes
- New microprocessor system enables editing and copying of programs even during a run
- Temperature range: 4 to 105 °C
- Regulating accuracy: +/- 0.1 °C
- Block uniformity (at 72 °C): +/- 0.35 °C
- Heating and cooling rate: 4 °C/s and 2 °C/s, respectively
- Max. number of programs: 90 (with up to 99 steps/program)
  - Optional: any number of programs via PC software
- Incremental/decremental time: 0:01 to 9:59 minutes
- Incremental/decremental temperature: 0.1 to 9.9 °C
- Heatable lid with automatic height adaptation
- Temperature range, lid heating: 70 to 99 °C
- Electromechanical lid locking preventing accidental opening during a run
- Optionally with High-Pressure Lid (HPL) or motor lid (ML)
- Interfaces: Centronics, RS232
- GLP reports for continuous recording of all runs
- Dimensions (W x H x D): 315 x 320 x 315 mm
- Weight (with block): 12 kg
- Block capacity: universal block for 96 x 0.2 ml tubes, '96 well' PCR plates or 48 x 0.5 ml tubes with flat caps\*
- Blocks additionally available:
  - Block for '384 well' PCR plates
  - In situ block with integrated buffer reservoir

\*Can only be used in combination with standard lid





**The Prime 96 advanced Gradient** - for simple and reliable optimization of PCR protocols. Six HTR Peltier elements and an ingenious arrangement of the thermal probes generates a temperature curve which genuinely deserves the name "gradient" - an almost linear rise in temperature over the entire thermoblock.

**The Prime 96 advanced GRADIENT is based technically on the Prime 96 advanced and offers the following additional features:**

- Maximum gradient: 39.8 °C (+/- 19.9 °C)
- Temperature range, gradient: 35 to 105 °C
- Gradient accuracy: +/- 0.1 °C
- 'Single click' transfer of the optimum annealing temperature into a standard PCR program

## Innovation and Reliability

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