

# TADVANCED

## Designed down to the smallest detail

### Whisper Quiet

The airflow of the TAdvanced thermocycler has been optimized to keep the maximum noise level of the instrument down to an extremely low 45 decibels. This efficient airflow system also means that the TAdvanced takes up very little space.



At 28 x 46 centimeters, the dimensions of the unit would appear to be average at first glance – its effective footprint, however, also has to include the clearance zone needed to accommodate sufficient airflow at the back of the instrument. The efficient airflow of the TAdvanced keeps this additional space requirement down to just ten centimeters – much lower than that of other thermocyclers.

A combination of low noise and a minimal footprint, **Whisper Quiet** technology is the result of 25 years of thermocycler development experience.

- Smaller effective footprint
- Efficient airflow
- Whisper Quiet technology for quiet operation

### High-Performance Smart Lid (HPSL)

The heated lid of the TAdvanced is equipped with **HPSL** technology. An integrated slip clutch always maintains constant contact pressure, regardless of the shape and height of the plastic ware. This optimizes the contact between the sample block well and the walls of the plastic ware, resulting in reproducible conditions.



As soon as the heated lid is closed, a rubber seal on the lid encapsulates the space surrounding the sample block. This closed space increases the sample block temperature uniformity and prevents condensation formation during the final PCR cooling step.

- Optimum contact pressure regardless of the PCR tubes used
- High sample block temperature uniformity
- Reproducible conditions

### Automatic lid-opening mechanism

The TAdvanced comes with a one-touch opening mechanism – just press the locking mechanism, and the heated lid automatically swings open. A spring mechanism holds the lid in the open position, preventing it from dropping down.

The locking mechanism automatically engages when the operator closes the lid.

- Heated lid opens at the press of a button
- The lid's 90° opening angle provides ready access to the sample block
- No risk to the user of burns or bruises

