

# THERMAL CYCLERS & REAL-TIME PCR SYSTEM



Gradient Thermal Cyclers ITCG-1000 offers superior performance and a large color touch screen for easy programming. This fully modular platform is able to accommodate different throughput needs with easily interchangeable reaction modules that swap in seconds without tools. Each PCR module has a fully adjustable heated lid that supports a wide range of vessels and sealers, including low-profile and standard-height PCR plates.

Gradient Thermal Cyclers ITCG-1000 accommodates 96×0.2 ml, 96×0.2 ml+77×0.5 ml, 54×0.5 ml, 384 well, and this block are completely independently of each other and without interference. Standard Marlow Peltier along with graphical LCD display and responsive color touch screen shortens device processes with an easy to read interface and maximum ramping rate 0.1 to 4.5°C. Semiconductor based technology using advanced Peltier heating units with 6 long service life.

- Quicker ramp rates allow more work to be done in a workday
- Simple to program unit is compact in design and built to perform
- Programming is in-built with large display and multiple pre-programmed templates supplied with the unit
- Large LCD graphical display along with GUI
- Data protection
- Fabricated with the metal shell
- Movable lid with a different angle
- Assurance of stability and reliability of test perform under high sealing reaction zone
- The hot lid is step-less adjustable
- Fully adjustable heated lid

