

Accurate 16-T



Features:

On board software with large screen panel, easy for use: 7-inch color touch screen shows all parameters, test results and real time testing curve.

Portable and light : the weight is only 4kg. It can be used with vehicle power supply for immediate on-site detection.

Sensitive and efficient optical signal detection system, multi-channel fluorescence without crosstalk: based on unique Fresnel lens, high-efficiency PMT and maintenance-free LED. 16-hole scanning takes only 1s.

Ultra-fast temperature control system: unique liquid circulation refrigeration.

Compatible with 0.2mL PCR transparent tubes or eight stripes, can measure 16 samples at a time.

Software functions can be customized.

4G data memory. Testing results can be exported with USB or printed.

Sample capacity	2×8 0.2ml tube/strips, clear
Reaction volume	10-50μl
Touch screen	YES
Thermal cycle technology	Peltier, liquid circulation refrigeration
Max. Heating/Cooling rate	6.0°C/s
Heating temperature range	4 – 100 °C
Temperature accuracy	±0.2°C
Temperature uniformity	±0.2°C @60°C ±0.3°C @95°C
Excitation light source	Monochrome high efficiency LED
Detection device	PMT
Detection mode	Fast hole-by-hole scanning
Fluorescent channels	Standard: FAM/ SYBR, VIC/HEX/ TET Optional: ROX, CY5/TAMRA
Sensitivity	Single copy gene
Dynamic range	10 orders of magnitude copies
Analysis mode	CT value analysis, absolute quantitative analysis
Dimension [W×D×H]	205×190×98mm
Power Supply	100-240V or Optional 12V, 10A mobile power
Weight	4kg