

Specifications

This section lists the technical specifications for the LabChip XT and XTe instruments. Technical specifications are subject to change without notice.

General

Size	7.09"H (180mm) H-lid closed x 7.09" (180mm)W x 12.99" (330mm)D, additional 7" (178mm) required above instrument to open lid.
Weight	10 lbs. (4.6 kg)
Chip Capacity	one 4-channel chip
Ventilation/ Cooling	3" (77 mm) minimum space required around instrument for proper air flow.

Environmental

Operating Temperature	65° to 82°F (18° to 28°C)
Operating Humidity	10% to 70% relative humidity, noncondensing
Storage Temperature	50° to 104°F (10° to 40°C)
Storage Humidity	20% to 70% relative humidity, noncondensing
Transient Overvoltages	Installation Category II Overvoltage
Pollution	Pollution Degree 2
Altitude	Up to 2000m
Indoor Use Only	

Electrical

Power Input	1.0Arms max at 90Vac, 47-63Hz 0.6Arms max at 264Vac, 47-63Hz
Input Voltage	100-127/200-240V~ nominal 90-264V~ maximum operating range
Power Consumption	24VDC, 1.2A max
Fuses	No customer-replaceable fuses in system. Contact Caliper Technical Support (see page 2) if blown fuses are suspected
Grounding	Through the power cord
Computer Interface	USB 2.0

Assay Voltage

Minimum Voltage/Current	50V (limited by current)
Maximum Voltage/Current	600V (limited by current)

Fluorescence Detection

Detection Wavelength	Bandpass 547-750nm
Data rates	80Hz

Light Source (Green laser diode)

Warmup Time	30 seconds
Excitation/Emission Wavelengths	532 nm
Power output	5 mW maximum continuous (CW)

Barcode Reader

Barcode Engine	Motorola
Supported Barcode Types	2D Matrix