

# rAPID-T System Technical Specifications

	<b>General</b>
Typical throughput	up to 100+ tests per hour
Typical reaction volume	250 $\mu$ L
Path length of cuvette	10mm
Reaction vessel	5-well cuvettes, disposable
Maximum reaction volume	500 $\mu$ L
Dimensions	21" (53cm) W x 15.5" (40cm) H x 20" (50 cm) D
Weight	37 lbs (15 kg)
	<b>Reagent and Sample Handling</b>
Syringe	500 $\mu$ L, range 2 $\mu$ L – 450 $\mu$ L w/increments of 0.5 $\mu$ L
Probe	316 stainless steel w/liquid level sensing
Mixing	Probe oscillation, time and speed adjustable
Precision for volumes < 5 $\mu$ L	< 3% CV
Precision for volumes > 5 $\mu$ L	< 2% CV
No. of reaction cuvette places	40 w/PAUSE feature to allow operator to add more during a run
No. of reagent places	10 Total
No. of sample places	40 places for 4 mL sampler cups w/PAUSE feature to add additional samples during a run
	<b>Incubating, timing and temperature control</b>
Reaction temperature	37°C Incubation is software controlled and automatically optimized
	<b>Reading</b>
Optical design	User-selected monochromatic or bichromatic results 8-position filter wheel Wavelengths: 340, 405, 420, 480, 505, 540, 570, 660 or custom
Interference filters	Long life, hard coat, ion assisted deposition, ~10nm half bypass
Linear range	0.0 to 3.0 A
Photometer accuracy	$\pm$ (1% reading + 0.005A) from 0 to 1.0 A $\pm$ (2% reading + 0.005A) from 1.0 A to 3.0 A
	<b>Software (Computer not supplied)</b>
Format	USB with internet upgrades
QC Functions	Store Control Data, QC Data Charting Screen
Operating system	Windows® 7 or newer
System Diagnostic Tools	Probe/Rack Alignment, Control Scripts, Self-Test, QC Well
Self-monitoring modes	Lamp, filters, reagent levels, Cuvette
	<b>Certifications</b>
	NRTL listed, CE marked Awareness Technologies is certified under ISO 13485:2003