

## TC-84 Instrument Specifications

Linear Measurement Ranges:	0.00 to 2.00 Absorbance Units (A)
Photometric Accuracy:	$\pm$ (1% of the reading + 0.005 A) at 1.5A $\pm$ (2% of the reading + 0.005 A) at 1.5-2A
Stability:	Drift of no more than 0.005A in 8 hours/bichromatic
Light Source:	Tungsten Halogen Lamp
Wavelengths:	340, 405, 450, 505, 550, 600nm
Typical Half Bandpass:	10nm
Type of filter	3 cavity sealed interference
Tube Size	12 mm round, factory selectable
Minimum fill volume:	1 mL
Temperature:	37°C, Block stays on, Cell has on/off switch
Warm up times:	
Lamp in rate mode	120 seconds, built-in
Lamp in other modes	45 seconds, built-in
Cell	About 10 minutes, use temperature check key
Incubation block	About 10 minutes, use temperature check key
Lamp saver time:	After 15 minutes idle
Speed:	Reads, calculates and prints results in 3 seconds
Display:	Alphanumeric, 16 character, red, LED
Printer	Thermal, dot matrix, 20 character per line
Keyboard:	16 key, membrane switch, 4X4, audible response
Calculation Modes:	Single point calibration by standard or factor, Multi point Calibration with point to point curve fit, percent absorbance, rate by standard or factor.
Fuse Requirements:	120V AC – 0.6 A, 3AG slo blo
Power Requirements:	120 V or 240V AC, 50-60 Hz (switch selectable)
Enclosure:	Painted flame retardant ABS Plastic cover with metal base
Dimensions:	9.5 X 13.25 X 3.75 inches (24 x 34 x 10 cm)
Weight	Approx. 10 lbs (4.5 kg)
Recommended operating temp:	18-35°C
Recommended Operating humidity:	less than 85%