

Ti-50-G Automatic Potential Titrator



FEATURES

1. 1.7" colorful touchscreen and smart guide system.
2. Potential and Photometric Titration Analysis.
3. Titration methods, curves and results are displayed in detail.
4. 1 extra burette driver can be installed (optional).
5. Replaceable burette with high-accuracy (10 mL or 20 mL selectable).
6. Intelligent operation system provides features including user management, method management, sensor management, titrant management, data management, etc.
7. Potential Module: DET (dynamic equivalence point titration), MET (monotone equivalence point titration), SET (Preset Endpoint Titration), constant pH titration, and MAT (manual titration).
8. Photometric Module: DET (dynamic equivalence point titration), MET (monotone equivalence point titration).
9. pH calibration and measurement are supported.
10. Up to 100 user-defined methods and 10 user-defined shortcuts.
11. Auto calculation with pre-defined formula.
12. Store up to 200 titration data sets (GLP-compliant).
13. Data analysis feature helps user review, compare and recalculate results.
14. Data can be easily transferred to printer via RS-232 communication interface.
15. Titrator can be controlled by computer via USB or RS-232 communication interface.
16. Automatic sampler is supported.

SPECIFICATIONS

Model		Ti-50-G
Burette	Accuracy	10mL Burette: $\pm 0.020\text{mL}$; 20mL Burette: $\pm 0.030\text{mL}$
	Resolution	1/30000
Potential Titration Module	Titration Repeatability	$\leq 0.2\%$
	Range	(0.000 ~ 20.000)pH; (-2000.00 ~ 2000.00)mV
	Resolution	pH: 0.001pH; mV: 0.01mV
	Accuracy	pH: $\pm 0.002\text{pH}$; mV: $\pm 0.03\%$ or $\pm 0.2\text{mV}$
	Fluctuation	$\pm 0.3\text{mV}/3\text{h}$
Photometric Titration Module	Titration Repeatability	$\leq 0.2\%$
	Range and Resolution	(0.00 ~ 1500.00)mV, 0.01mV
	Wavelength	520nm, 570nm, 620nm
	Wavelength Accuracy	$\pm 10\text{nm}$
Temperature	Range	(-20~130) °C
	Resolution	0.1°C
	Accuracy	$\pm 0.2^\circ\text{C}$
General	Power Supply	AC Adapter (Input: 100-240V AC; Output: 24V DC)
	Dimensions	340×400×400 mm
	Net Weight	10 kg