

TI-50-Y Potentiometric/Dead-Stop Titrator



FEATURES

- ✧ 7" colorful touchscreen and smart guide system.
- ✧ Titration methods, curves and results are displayed in detail.
- ✧ 1 extra burette driver can be installed (optional).
- ✧ Replaceable burette with high-accuracy (10 ml or 20 ml selectable).
- ✧ Intelligent operation system provides features including user management, method management, electrode management, titrant management, data management, etc.
- ✧ Support the following titration modes: DET (dynamic equivalence point titration), MET (monotone equivalence point titration), SET (Preset Endpoint Titration) and MAT (manual titration).
- ✧ pH calibration and measurement are supported.
- ✧ Up to 100 user-defined methods and 10 user-defined shortcuts.
- ✧ Auto calculation with pre-defined formula.
- ✧ Store up to 200 titration data sets (GLP-compliant).
- ✧ Data analysis feature helps user review, compare and recalculate results.
- ✧ Data can be easily transferred to printer via RS-232 communication interface..
- ✧ Titrator can be controlled by computer via USB or RS-232 communication interface.
- ✧ Automatic sampler is supported.

INSTRUMENT INCLUDES

10ml Burette, Platinum Electrode, Silver Electrode, pH Electrode (indicator), Single Bridge Reference Electrode, Double Bridge Reference Electrode, ATC Probe, pH Buffer Powders (4.01, 7.00, 10.01)

OPTIONAL ACCESSORIES

20ml Burette, Auxiliary Burette Driver, Anti-diffusion Capillary

Model		TI-50-Y
Burette	Repeatability	0.20%
	Accuracy	10ml Burette: $\pm 0.025\text{ml}$; 20ml Burette: $\pm 0.035\text{ml}$
	Resolution	10ml Burette: 1/20000; 20ml Burette: 1/10000
Mechanical Unit	Resolution	1/30000
	Charging speed	(55 $\pm$ 10) s (Full burette)
Measuring Unit	Range	(-1999.0 ~ 1999.0) mv, (0.00 ~ 14.00)pH
	Resolutions	0.1mV, 0.01pH
	Accuracy	pH: $\pm 0.01\text{pH}$ mv: $\pm 0.03\%\text{FS}$
	Fluctuation	($\pm 0.3\text{mV} \pm 1\text{bit}$) /3h
Temp. Compensation	Range	(-5.0 ~ 105.0) °C
	Resolutions	0.1 °C
	Accuracy	± 0.3 °C
Dead-Stop Measurement	Polarization Voltage:	100mV, 50mV, 30mV
	Polarization current range:	(0-199.9) μA , (0-19.99) μA , (0-1.999) μA , (0-0.199) μA
	Polarization current detection accuracy:	$\pm 2.5\%\text{FS}$
	Polarization voltage accuracy	$\pm 10\text{mV}$
General	Power Supply	AC (220 $\pm$ 22) V; (50 $\pm$ 1) Hz
	Dimension (mm)& Weight (kg)	340*400*400; 10