

Automatic Titrator



BK-PT10



BK-PT11

Features:

- * 10 inch color capacitive screen, the BK-PT10 is equipped with a modular operating system, and the BK-PT11 features integrated one-piece operation, GUI navigation icon design, convenient for experimenters to operate.
- * The instrument is waterproof as a whole, and the connection of the data line is waterproofed to prevent liquid penetration and deposition.
- * Titration modes: dynamic, end-point, stoichiometric, and manual. Supports potentiometric, acid-base, redox, complexometric, precipitation, non-aqueous, constant potential/pH titration, and pH measurement.
- * Built-in burette, burette is built into the instrument, the burette can be observed externally through a window.
- * It can carry out multiple self-test function, pH electrode calibration function, burette calibration function.
- * Export detailed and tabular results in PDF and Excel formats and support wireless printing. (Wireless printing is an optional feature)
- * Automatic refilling enables continuous titration. All tubing lines are automatically cleaned and rinsed multiple times, ensuring no residual solution at liquid contact points and compatibility with most strong acids, bases, and organic solvents.

Technical Parameters:

Model	BK-PT10	BK-PT11	
pH	Range	-2.000~+20.000pH	
	Resolution	0.001pH	
	Accuracy	±0.01pH	
ORP	Range	-2000.0~+2000.0mV	
	Resolution	0.1mV	
	Accuracy	±0.1mV±0.03%FS	
Temperature	Range	-5~120°C	
	Resolution	0.1°C	
	Accuracy	±0.1°C	
Burette	Specification	10ml(Standard); 20ml(Optional)	10ml(Standard)
	Resolution	1/96000	
	Supplementary Speed	16s (when burette is full scale)	
Titration Repeatability	≤0.2%		
Electronic Unit Repeatability Error	≤0.2mV		
Electronic Unit Stability	±0.3mV/3h		
Stirring Method	Magnetic stirring		
Interface Type	mV/pH measuring electrode interface, reference electrode interface, temperature electrode interface, USB port, power port		
Package Size(W*D*H)	545*457*460mm	550*490*415mm	
Net Weight	13kg	6kg	
Gross Weight	15kg	11kg	

Potential Titrator

Features:

- * 7-inch TFT color touchscreen with sliding operation and stylus, easy to use and calibrate.
- * Integrated valve-burette design (replaceable directly), supports 10mL/20mL burettes, reducing cross-contamination.
- * Optimized transmission system (compact, low noise); PWM-adjustable stirrer (45 speed levels), supports upper/lower stirrers (lower included).
- * Perchloric acid-resistant titration system, supports non-aqueous titration and dual high-impedance input.
- * Default potential measurement unit, expandable to dead-stop, conductivity, and other units.
- * 7 built-in standard titration methods; supports user-defined methods and complex process editing.
- * Stores up to 100 methods (200 via USB); enables viewing, copying, editing, and shortcut access.
- * Automatic pH electrode calibration (up to 3 points), recognizes GB/DIN/NIST buffers.
- * Manages up to 5 titrants (validity, concentration/titer); custom result calculation formulas (max 50 characters).
- * GLP-compliant, stores 200 sets of data with power-off protection.
- * Real-time display of titration curves/data; statistical analysis (avg, SD, RSD) for up to 20 results.
- * Multiple titration start modes; supports batch titration (max 20 samples) with autosampler.
- * RS232/USB interfaces for printer/PC connection; firmware upgrade via USB.
- * 8-user account management with password; Chinese/English support; built-in operation guide.
- * Independent device management (titration unit, stirrer, etc.); supports electrode/burette calibration and maintenance.



Technical Parameters:

Model	Ti-50	
Measuring Range	pH: 0.000~14.000pH	
	mV: -1999.90~1999.90mV	
	Temp: -5.0~105.0°C	
Measuring Resolution	mV: 0.01mV	
	pH: 0.001pH	
	Temp: 0.1°C	
Measuring Accuracy	pH: ±0.01pH ±1 bit	
	mV: ±0.03% (full scale)	
	Temp: ±0.3°C	
Burette Volume Accuracy	10ml burette: ±0.025ml	
	20ml burette: ±0.035ml	
Burette Supplementary Speed	55±10s (when burette is full scale)	
Reproducibility of Titration Analysis	0.2%	
Reproducibility of Electric Unit	≤0.2mV	
Stability of Electric Unit	±0.3 mV±1 bit/3h	
Sensitive of Control Titration	±2mV	
Environments Temperature	5.0~35.0 °C	
Relative Humidity	≤80%	
Power Supply	AC100~240V, 50/60Hz	
External Size (W*D*H)	Main Titration Device	340*400*400mm
	Auxiliary Titration Device	200*110*230mm
Package Size(W*D*H)	570*520*520mm	
Net Weight	10kg	
Gross Weight	16kg	