



# AUTOMATIC POTENTIOMETRIC TITRATOR LPTT-A12

Automatic Potentiometric Titrator LPTT-A12 is a table-top and high-precision unit, comprised with 100 ml titration cup and measuring range of -1999.99 to 1999.99 mV and 0.00 to 14.00 pH. With automatic sample injection, pipeline cleaning, and automatic test, features -10 to 100°C of temperature measuring range with different titration functions. Modular design with volumetric titration device, control device and testing device, offers acid-base titration, REDOX, precipitation and complexation titration along with high-power magnetic stirring. Equipped with 8-inch TFT color touch screen display, imported solenoid valve, PTFE corrosion-resistant burette and high-precision closed-loop control, this unit performs volumetric analysis using potentiometric titration method, also supports direct data printing.

### Features

- ❑ A table-top and high-precision unit, ensures accurate results with small sample
- ❑ 100 ml titration cup with measuring range of -1999.99 to 1999.99 mV and 0.00 to 14.00 pH
- ❑ Automatic sample injection, pipeline cleaning, and automatic test, accurate results
- ❑ -10 to 100°C of temperature measuring range with different titration functions
- ❑ Modular design with volumetric titration device, control device and testing device
- ❑ Offers acid-base titration, REDOX, precipitation and complexation titration
- ❑ High-power magnetic stirring, quieter and more efficient with no contamination
- ❑ 8-inch TFT color touch screen display, convenient operation with results display
- ❑ Imported solenoid valve, PTFE corrosion-resistant burette, low-maintenance
- ❑ High-precision closed-loop control, ensure accurate titration and results
- ❑ Performs volumetric analysis using potentiometric titration method
- ❑ Supports direct data printing, easy data processing and analysis
- ❑ High- efficient, stable and reliable unit for accurate and repeatable results

### Application

Automatic Potentiometric Titrator is used for Acid base titrations, non-aqueous titrations, Redox titrations, Argentometric titrations, Precipitation titrations, Complexometric titrations, pH stat titrations, Enzymatic titrations, EDTA titrations, TAN/TBN titrations, diazotization titrations etc. across food, drug testing, disease control, commodity inspection, water treatment, petroleum, chemical, Marine, electric power, environmental protection, new energy, teaching, scientific research etc.

## Specifications

Model	LPTT-A12
Measurement Range	mV: (-1999.99 to 1999.99) mV pH: (0.00 to 14.00) pH Temp: (-10 to 100)°C
Resolution	mV: 0.1 mV pH: 0.01 pH Temp: 0.1°C
Accuracy	mV: 0.2 mV pH: 0.02 pH Temp: ±0.2°C
Accuracy of Burette Volume	15 ml burette: ±0.025 ml 25 ml burette: ±0.035 ml
Burette Resolution	15 ml burette: 1/20000 25 ml burette: 1/10000
Titration Volume Accuracy	0.0001 ml
Drive Resolution	1/30000
Titration Analysis Repeatability	0.2%
Repeatable Error	≤ 0.2 mV
Titration Cup Capacity	100 ml
Titration Number	2 pcs (15 ml/25 ml)
Integrated Burette	Yes
pH correction	Yes
Display	8-inch TFT color touch screen
Interface	mV/pH measuring electrode interface Reference electrode interface PT1000 temperature electrode interface Host USB interface Stirrer interface
Output	Printer, RS232 interface
Dimension (L×W×H)	300×350×200 mm

## Automatic Potentiometric Titrator LPTT-A12

Packaging Dimension (L×W×H)	440×500×300 mm
Net Weight	4.65 kg
Gross Weight	7 kg