# AE-Ti-50 Automatic Potential 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).

◆ 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.

◆ Intelligent operation system provides features including user management, method management, electrode management, titrant management, data management, etc.

◆ Support titration modes: DET (dynamic equivalence point titration), MET (monotone equivalence point titration), SET (Preset Endpoint Titration) and MAT (manual titration).



## Technical Data

| Model | | Ti-50 |
|---|---|---|
| Burette | Titrimetric Repeatability | 0.2% |
| | Accuracy | 10ml Burette: ±0.025ml ;20ml Burette: ±0.035ml |
| | Resolution | 10ml Burette: 0.33µl ;20ml Burette: 0.66µl |
| Mechanical Unit | Resolution | 1/30000 |
| Measuring Unit | Range | -1999.0 ～ 1999.0) mv, (0.00 ～ 14.00)pH |
| | Resolutions | 0.1mV, 0.01pH |
| | Accuracy | pH: ±0.01pH mv: ±0.03%FS |
| | Fluctuation | (±0.3mV±1bit) /3h |
| Temp. Compensation | Range | (-5.0 ～ 105.0) ℃ |
| | Resolutions | 0.1 ℃ |
| | Accuracy | ±0.3 ℃ |
| General | Power Supply | AC Adapter, 100-240V AC input, DC24V output |
| | Dmension (mm>& V\tetght (kg) | 340×400×400, 10 |