

# pH EpiStat

## AUTOMATIC TITRATOR

### Precision Measurement of Acid/Base Transport

Model: pH8

The pH EpiStat Titrator (pH8) is a compact, high-precision module designed to automate pH control and measurement in Ussing chamber experiments. With accuracy to  $\pm 0.002$  pH units and titrant injections under 50 nL, it allows researchers to maintain constant pH in unbuffered solutions while simultaneously collecting bioelectric data. Fully compatible with all EasyMount Ussing systems and integrated with Acquire & Analyze 3.0 software, the pH EpiStat enables seamless, synchronized transepithelial transport from up to eight tissues. By combining pH flux with electrophysiological measurements, it delivers deeper insights into epithelial transport processes, accelerating research in areas such as cystic fibrosis, drug absorption, and barrier function.

### Specifications

Dimensions: 30.5 × 13.3 × 25.5 cm (H × W × D)

pH Accuracy:  $\pm 0.002$  pH units

Titrant Volume: <50 nL per injection

Channel Support: 1–8 simultaneous measurements

Software: Acquire & Analyze 3.0

### Key Benefits

- ✓ Simultaneous pH and bioelectric measurements for richer data
- ✓ High accuracy:  $\pm 0.002$  pH units with titrant volumes <50 nL
- ✓ Automates titration workflows to reduce manual variability
- ✓ pH-stat methodology maintains constant pH in unbuffered solutions

Scan to view the pH EpiStat

