



Automatic Potential Titrator

Darsun Scientific Inc, USA
30N Gould St Ste R Sheridan,
Wyoming 82801, United States

Email: Info@darsunscientificinc.com
Phone: +1-3074272810
Web: www.darsunscientificinc.com

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Automatic Potential Titrator

DSAP-0300T



Product Overview

The Automatic Potential Titrator is an advanced analytical laboratory instrument designed for precise and reliable titration measurements with minimal manual intervention. It automatically determines the titration endpoint by monitoring potential changes during the analysis, helping laboratories achieve consistent, accurate, and repeatable results. Its user-friendly touchscreen interface, automated operation, and precision measurement system make it suitable for quality control, pharmaceutical testing, chemical analysis, and research laboratories.

Product Features

1. 7" Color Touch Screen Display
2. Titration on methods, curves and results are displayed in details
3. Password Protection
4. Replaceable Burette with high accuracy 10ml / 20ml selectable
5. Burette line using acid & alkaline resistance
6. Support Upper Mixer & Lower Mixer
7. Multiple Titration Modes Dynamic (DET), Monotone (MET), Preset Endpoint (SET), Constant pH, Blank, and Manual Titration on (MAT)
8. 1–3 points Calibration
9. pH calibration on and measurement are supported
10. Selectable pH Buffer group
11. Display the Test Method Titration Curve, result in real time
12. Advanced formula editor for direct calculation on and customized result reporting
13. RS232C, USB Interface data can export with csv and pdf format
14. Support Acid Base Titration, Non-aqueous phase acid base Titration, Redox Titration on, precipitation on Titration, Complex Titration on and Other Titration on Method
15. Store up to 1000 titration on data sets (GLP-Compliance) and 1 latest set of titration on curve
16. 21CFR Software Optional

Technical Data

MODEL	DSAP-0300T
Make	Darsun Scientific
Titration Mode	DET, MET, SET, MAT
Burette Titrimetric Repeatability	0.2%
10ml Burette Accuracy	Burette: $\pm 0.025\text{ml}$
20ml Burette Accuracy	Burette: $\pm 0.035\text{ml}$
10ml Burette Resolution	Burette $1\mu\text{l}$
20ml Burette Resolution	Burette $2\mu\text{l}$
mV Measuring Range	$-2000 \sim +2000\text{mV}$
mV Measuring Resolutions	0.1mV
Fluctuation	$\pm 0.3\text{mV} \pm 1\text{bit} / 3\text{h}$
mV Measuring Accuracy	$\text{mV} \pm 0.01\text{FS}$
pH Measuring Range	$-2.000 \sim 20.000$
pH Measuring Resolutions	0.001pH
pH Measuring Accuracy	$\pm 0.005\text{pH}$
Mechanical Unit Resolution	$1/50000$
Temperature Range	$-5^{\circ}\text{C} \sim 110^{\circ}\text{C}$
Temperature Resolutions	0.1°C
Temperature Accuracy	$\pm 0.2^{\circ}\text{C}$
Display	7" Touch Screen Display
GMP Compliance	Yes
Stirring Function	Yes
Communication Port	RS232C, USB
Memory	1000 Data sets
Power Supply	AC 220V / 50Hz
Packing Dimension (LxWxH)	$540 \times 495 \times 480\text{mm}$
Gross weight	10kg