AUTOMATIC TITRATOR

LUCID Auto Titrator **AT200 Compact**

A standalone automatic titrator combining an automatic dosing unit with optical colorimetric endpoint detection, in a compact, battery-powered instrument for benchtop and production-site operation.

20 mL Cylinder volume	1 µL Minimum dosing increment
±0.15% Dosing accuracy	±0.05% Dosing repeatability



MEASURING PRINCIPLE Volumetric titration with optical colorimetric endpoint detection.

KEY FEATURES

Automatic titrant dispensing
Automatic dosing unit, 20 mL cylinder.

Optical colorimetric endpoint detection
Automatic endpoint determination.

Compact standalone configuration
7-inch color TFT LCD and integrated controls.

Rechargeable lithium-ion battery
Up to 8 hours of operation. Charging via DC Jack.

Portable operation
Benchtop / production-site use.

PRODUCT ADVANTAGES

01	02	03	04	05
Automated titration process	**Consistent endpoint detection**	**Reduced manual intervention**	**Portable instrument design**	**Flexible titrant configuration**

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PRODUCT INFORMATION

Technical **specifications**

LUCID Auto Titrator AT200 Compact

Product category: Automatic Titrator

Measuring principle: Volumetric titration with optical colorimetric endpoint detection.



TITRATION SYSTEM	
Measuring principle	**Volumetric titration**
Titration mode	**Endpoint titration**
Endpoint detection	**Automatic optical colorimetric**
Titrant	**Replaceable / application-dependent**
Result calculation	**Automatic**
Result presentation	**Digital**

DOSING SYSTEM	
Dosing unit	**Automatic Dosing Unit**
Cylinder volume	**20 mL**
Dosing resolution	**20,000 steps per cylinder volume**
Minimum dosing increment	**1 µL**
Dosing accuracy	**±0.15%**
Dosing repeatability	**±0.05%**
Dosing operation	**Automatic**
Reagent compatibility	**Application-dependent**

MEASURING SYSTEM	
Measuring principle	**Optical colorimetric**
Endpoint detection	**Automatic**
Sensor repeatability	**±0.03%**

MEASUREMENT CAPABILITIES	
Measurement method	**Volumetric titration**
Measurement type	**Acid-base titration**
Endpoint determination	**Automatic**
Result calculation	**Automatic**
Application	**Multiple titration applications**
Titration parameters	**Method-dependent**

INSTRUMENT SPECIFICATIONS	
Configuration	**Standalone**
Display	**7-inch color TFT LCD**
Operation	**Integrated controls**
Instrument design	**Compact and portable**
Installation	**Benchtop / production-site operation**

ELECTRICAL SPECIFICATIONS	
Power supply	**Rechargeable lithium-ion battery**
Charging interface	**DC Jack**
Operating time	**Up to 8 hours**

ENVIRONMENTAL CONDITIONS	
Operating temperature	**5–40 °C**
Storage temperature	**–20–60 °C**
Relative humidity	**Maximum 80%, non-condensing**
Installation environment	**Indoor use**

STANDARD ACCESSORIES

- Main instrument
- Titration vessel
- DC power adapter
- Integrated automatic dosing unit
- Reagent tubing
- User manual

WARRANTY

3 years

24/7 technical support

Service: Maintenance and technical assistance

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Engineered in Germany

Made in Indonesia