

Coulometric Karl Fischer Titrator **LWT-A31**



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Coulometric Karl Fischer Titrator is a benchtop unit with 5 to 40°C ambient temperature range, 3 µg to 9999.9 µg measurement range, and offers 400 mA maximum current. Excellent low-power operation makes it possible to compact battery, enables portable function criterion for measuring electrode signal for the electrolysis end. Its stability and accuracy are key factors affecting the measurement accuracy. Designed with streamline and 5 inch coloured touch screen with standard testing method used ASTM D4928, ASTM D1533 and ASTM D6304 in titration process.

Features

- ☛ Design with streamline and 5 inch coloured touch screen
- ☛ Electrolytic process is intelligently control completely
- ☛ It adopts real-time dynamic impedance method to detect the end point of titration
- ☛ Equipped with open-circuit fault, short-circuit fault and measuring electrode
- ☛ High-precision, and it has automatic detection function
- ☛ Inbuilt thermal printer and end point is settable

Application

Coulometric Karl Fischer Titrator is widely used to determine the trace water content in liquid petroleum, chemical engineering, pharmacy, electricity, scientific research and education department.

Specification

Model	LWT-A31
Maximum current	400 mA
Measurement range	3 µg to 9999.9 µg
Resolution	0.1 µg
Precision 1	± 2 µg (3µg H ₂ O to 20µg H ₂ O)
Precision 2	± 3 µg (20µg H ₂ O to 100µg H ₂ O)
Precision 3	≤ 5 % (100µg H ₂ O to 10mg H ₂ O)
Data saving	496 pcs
Built-in printer	Thermal printer
Calculation formula	8 kinds can be selected
Ambient temperature	5 to 40°C
Dimension	400 × 260 × 180 mm
Power consumption	50 W
Power Supply	AC 220 V ±10%, 50Hz ±5 %
Net weight	5 kg

Standard Accessories

Accessories no.	Name	Qty
1	Main unit	1 set
2	Titration cell	1 set
3	Power cord	1 piece
4	Printing paper	2 rolls
5	Syringe 0.5 µl	1 piece
6	Syringe 50 µl	1 piece
7	Syringe 1 ml	1 piece
8	Needle	2 piece
9	Stirrer	2 piece
10	Vacuum grease	5 piece
II	Silicone pad	1 set
12	Allochroic silica gel	1 package
13	Electrolyte	1 bottle
14	Fuse	2 pieces