



Karl Fischer Titrator LD-LWT-A40

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Overview

Karl Fischer Titrator LD-LWT-A40 is a laboratory instrument designed for accurate water content determination using volumetric and coulometric Karl Fischer titration. It supports reliable moisture analysis in gases, liquids, and solid samples, making it suitable for routine laboratory testing. The system provides dependable analytical performance for quality control, research, and testing laboratories requiring precise moisture determination across a wide range of applications.

Features:

- Supports volumetric and coulometric KF titration
- Enables oven sampling for gas, liquid, and solid samples
- Provides auto/manual drift adjustment
- Offers selectable measurement units
- Features a 7-inch colour LCD touchscreen
- Supports three-level user access control
- Enables USB PC communication
- Stores up to 2000 titration records
- Supports RS-232 printer connectivity
- Allows method import and export via USB
- Exports data in CSV and PDF formats
- Supports GMP data management
- Provides intelligent method and data management
- Supports multiple KF titration methods
- Incorporates an anti-leakage solvent management system

Applications:

Suitable for petroleum, chemical engineering, pharmaceutical, and electrical industry laboratories, as well as scientific research and educational institutions for moisture content analysis.

Specifications:

Dimensions	240 × 370 × 270 mm
Net Weight	About 4 kg
Power Supply	AC 100~240 V, 47~63 Hz
Volumetric mV Range	(0~2000) mV
Coulometric mV Range	(0~2000) mV
Volumetric Resolution	1 µg
Volumetric Water Unit	µg, mg, %, ppm, µg/mL, mg/L
Coulometric Resolution	0.1 µg

Coulometric Water Unit	μg, mg, %, ppm, μg/mL, mg/L
Volumetric Water Range	100 μg ~ 250.0 mg
Coulometric Water Range	3.0 μg ~ 200 mg
Volumetric Repeatability	±0.3%
Volumetric mV Resolution	0.1 mV
Working Current Accuracy	±0.5%
Coulometric Repeatability	±0.3%
Coulometric mV Resolution	0.1 mV
Working Current Fluctuation	±0.2%/10 min
Volumetric Polarization Current Range	(1~200) μA
Coulometric Polarization Current Range	(1~200) μA
Volumetric Polarization Current Accuracy	±3%
Coulometric Polarization Current Accuracy	±3%
Volumetric Polarization Current Fluctuation	±2.5%/30 min
Coulometric Polarization Current Fluctuation	±2.5%/30 min