

KFT-50VC Karl Fischer Titrator



GENERAL FEATURES

- Color High contrast LCD touchscreen, 7.0 inches.
- Volumetric KF Titration and Coulometric KF Titration are supported.
- Support oven sampling method, to meet the gas, solid, liquid in the constant moisture, trace moisture measurement.

Volumetric Karl Fischer Titration

- Intelligent operation system provides features including user management, method management, sensor management, titrant management, data management and GMP management etc.
- Support Auto Titration Method, KF Titer Determination Method, Oven Titration Method and Oven Blank Titration Method.
- The solvent manager adopts anti-leakage liquid and anti-pour design of waste liquid bottle, supports to fill titrant, drain solution, feed solvent, mix titrant and clean burette, ensure safe handling of Karl Fischer chemicals.

Coulometric Karl Fischer Titration

- Intelligent operation system provides features including user management, method management, sensor management, data management and GMP management etc.
- Support Auto Titration Method, Oven Titration Method, Oven Blank, and Coefficient correction Method.
- The solvent manager adopts anti-leakage liquid and anti-pour design of waste liquid bottle, supports to drain solution and feed solvent, ensure safe handling of Karl Fischer chemicals.

Data management

- Auto/manual drift adjust ensures accurate results.
- Selectable units including μg , mg, %, ppm, mg/L and $\mu\text{g/mL}$.
- User three-level authority management and password management.
- Support for GMP management, the GMP logs achieve the tracking and analysis of the the data.
- Store up to 2000 titration data sets for volumetric and coulometric titration (GLP-compliant).
- Support for RS-232 communication for print and the print format can be alternate.
- Support for USB communication for PC software.
- Support for U disk for method export and import.
- Support for U disk for data export with CSV or PDF format.
- Support for printer, barcode scanner, oven and balance (specific model).
- It needs GMP software to implement GMP management functions.

Includes

- Solvent manager
- 10mL burette
- Volumetric vessel
- Measuring electrode
- Coulometric vessel
- Measuring electrode
- Generator electrode

Model		KFT-50VC	
Principle		Karl Fischer Volumetric Titration	Karl Fischer Coulometric Titration
Water	Range	100 μg ~250.0mg	3.0 μg ~200mg
	Resolution	1 μg	0.1 μg
	Unit	μg , mg, %, ppm, $\mu\text{g/mL}$, mg/L	μg , mg, %, ppm, $\mu\text{g/mL}$, mg/L
	Repeatability	$\leq 0.3\%$	$\leq 0.3\%$
mV Range		(0~2000)mV	(0~2000)mV
mV Resolution		0.1mV	0.1mV
Polarization Current Range		(1~200) μA	(1~200) μA
Polarization Current Accuracy		$\pm 3\%$	$\pm 3\%$
Polarization Current Fluctuation		$\pm 2.5\%/30\text{min}$	$\pm 2.5\%/30\text{min}$
Working Current Accuracy		/	$\pm 0.5\%$
Working Current Fluctuation		/	$\pm 0.2\% /10\text{min}$
Power Supply		(100~240)VAC, (47~63)Hz	
Dimensions		240×370×270mm	
Net Weight		About 4kg	