

# KFT-40VC Karl Fischer Titrator



**Coulometric electrolytic cup**  
Suitable for micro moisture samples

**Sample titrate unit**  
Suitable for constant moisture samples

## Volumetric Karl Fischer Titration

- Support KF Titration Mode and Titer Detection Mode.
- Features of auto-filling, auto-purging and auto-mixing of the reagents ensure safe handling of Karl Fischer chemicals.
- Automatic/manual background drift correction ensures accurate results.
- Selectable units including mg, mg/L, %, ppm, etc.
- Settable parameters, including measurement unit, polarization current, stirring rate, titration rate, stop volume, endpoint potential, stop criterion and etc.
- Store up to 200 titration data sets (GLP-compliant).

## Coulometric Karl Fischer Titration

- Generator cell with diaphragm.
- Automatic/manual background drift correction ensures accurate results.
- Selectable units including  $\mu\text{g}$ , mg, %, ppm, mg/L,  $\mu\text{g}/\text{mL}$ , etc.
- Settable parameters, including measurement unit, polarization current, stirring rate, generator current, endpoint potential, stop criterion and etc.
- Store up to 200 titration data sets (GLP-compliant).

## GENERAL FEATURES

- LCD display screen.
- Titration methods, curves and results are displayed in detail.
- Volumetric KF Titration and Coulometric KF Titration are supported.
- Data analysis feature helps user review and compare results.
- Data can be easily transferred to printer via RS-232 communication interface.
- Reset feature automatically resumes all settings back to factory default options.

Model		KFT-40VC
Volumetric Titration	Range	(0.1mg ~ 250)mg
	Polarization Current Accuracy	$1\mu\text{A}\pm 0.2\mu\text{A}$ , $50\mu\text{A}\pm 10\mu\text{A}$
	Repeatability	$\pm 0.5\%$
Coulometric Titration	Range	$10\mu\text{g}\sim 20\text{mg}$
	Polarization Current Accuracy	$1\mu\text{A}\pm 0.2\mu\text{A}$ , $50\mu\text{A}\pm 10\mu\text{A}$
	Electrolytic Current	10mA, 20mA, 50mA, 100mA
	Accuracy	$\pm (5\%+3)\mu\text{g}$
	Repeatability	RSD of 100 $\mu\text{g}$ sample measurement result $\leq 3\%$
General	Power Supply	AC Adapter, 100-240V AC input, DC24V output
	Dimension (mm)& Weight (kg)	340×400×400, 10