

Titrator

Potential Titrator



Features for Ti-40:

- * Large LCD screen.
- * Titration methods, curves and results are displayed in detail.
- * Replaceable burette with high-accuracy(10ml or 20ml selectable).
- * Support titration modes: DET(Dynamic equivalence point titration), MET(Monotone equivalence point titration), SET(Preset endpoint titration) and MAT(Manual titration).
- * pH calibration and measurement are supported.
- * Store up to 50 titration data sets(GLP-compliant) and 1 latest set of titration curve.
- * Data can be easily transferred to printer via RS-232 communication interface.
- * Titrator can be controlled by computer via USB or RS-232 communication interface.

Features for Ti-20:

- * LCD display screen.
- * Support titration modes: SET(Preset endpoint titration) and MAT(Manual titration).
- * Glass burette can be used for volume measurement(Prepared by user).

Technical Parameters:

Model	Ti-40	Ti-20
Measuring Range	pH: 0.00~14.00pH mV: -1800.0~1800.0mV Temp.: -5.0~105.0°C	pH: 0.00~14.00 Ph mV: ±1400mV
Measuring Resolution	pH: 0.01pH mV: 0.1mV Temp.: 0.1°C	pH: 0.01pH mV: 1mV
Measuring Accuracy	pH: ±0.01pH mV: ±0.05%(full scale) Temp.: ±0.3°C	pH: ±0.03pH mV: ±0.35%(full scale)
Burette Volume Accuracy	10ml burette: ±0.025ml 20ml burette: ±0.035ml	/
Burette Supplementary Speed	55±10s (when burette is full scale)	/
Repeatability Titration Analysis	0.2%	/
Repeatability Accuracy	≤0.2mV	/
Stability	±0.3 mV±1bit/3h	±0.01pH/3h
Sensitive of Control Titration	±2mV	±5mV
Power Supply	AC adapter, 100~240V, 50/60Hz AC input, C24V output	AC adapter, 110/220V, 50/60Hz AC input
External Size(W*D*H)	340*400*400mm	300*235*100mm
Package Size(W*D*H)	540*490*480mm	370*305*330mm
Net Weight	10kg	5kg
Gross Weight	12kg	6kg

Karl Fischer Titrator



Coulometric electrolytic cup
Suitable for micro moisture samples



Sample titrate unit
Suitable for constant moisture samples

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.

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 ug, mg, %, ppm, mg/L, ug/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).

Technical Parameters:

Model		KFT-40VC
Volumetric Titration	Range	0.1~250mg
	Polarization Current Accuracy	1μA±0.2μA; 50μA±10μA
	Repeatability	≤0.5%
Coulometric Titration	Range	10μg~20mg
	Polarization Current Accuracy	±0.2μA
	Working Current	1, 1.86, 5, 10ug(H ₂ O)/s for 10.72mA, 20 mA, 53.61mA, 107.2 mA
	Working Current Accuracy	0.5%
	Accuracy	±(5%+3)μg
General	Repeatability	≤3%
	Power Supply	AC adaptor, 100~240V, 50/60Hz AC input
	External Size(W*D*H)	340*400*400mm
	Package Size(W*D*H)	540*490*480mm
	Net Weight	10kg
	Gross Weight	13kg