

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).

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	±5mV
Sensitive of Control Titration	±2mV	±5mV
Power Supply	AC adaptor, 100~240V, 50/60Hz AC input, C24V output	AC adaptor, 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
	Repeatability	±3%
General	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