Infitek

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Infitek

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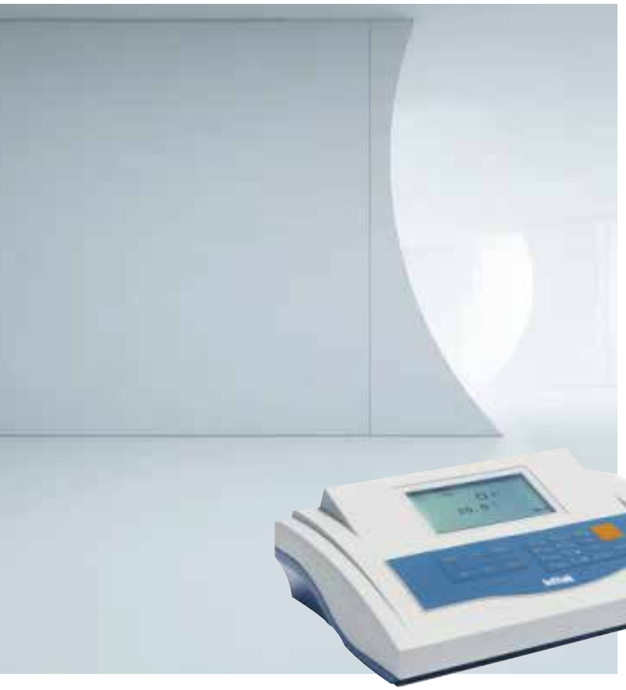
TITRATOR

Potentiometric Titrator

TITR-A20



Description

- Compared with indicator titration, potentiometric titration has the advantages of objective reliability, high accuracy, easy automation, and is not limited by the color and turbidity of the solution. It is an important analytical method.

TITR-A20 Potential Titrator 1 Set
217-01 Reference electrode 1 Piece
213-01 Platinum electrode 1 Piece
216-01 Silver electrode 1 Piece
E-201F pH composite electrode 1 Piece
JB-10 Stirrer 1 Set
Solenoid valve parts(SC5.461.049)(With 1 fastening screw) 1 Piece
International universal power cord 1 Piece
Fuse tube BGXP-1 Φ5×20 0.5A 2 Pieces
YW-904W 9V/800mA Regulated power supply, European plug 1 Piece
Electrode rod A part (SC8.100.249, With 1 electrode rod bushing) 1 Piece
Electrode rod B (SC8.100.250) 1 Piece
Capillary dropper (SC8.403.008) 1 Piece
Clip Parts (SC5.100.045, With 1 fastening screw) 1 Piece
Piece Support parts (SC8.022.106) 1 Piece
Elastic Set Clip (SC8.214.090) 1 Piece
Electrode holder (SC5.108.019, With 1 fastening screw) 1 Piece
Fluoro elastomer tube(ID φ3 OD φ6, L=500mm) 2 Pieces
Stirring bar(Small) 3 Pieces
Standard pH Buffer Powder (pH4.01, 7.00, 10.01) 1 Piece each
RS232 printing cable 1 Piece
Instruction manual 1 Piece

Features

- LCD display screen.

- Support titration modes: SET (Preset Endpoint Titration) and MAT (Manual titration).

- Stirrer is included.

- Glass burette can be used for volume measurement (prepared by user).

Specifications

Model		TITR-A20
Measuring Unit	Range	(0~±1400) mV, (0~14.00)pH
	Resolutions	1mV, 0.01pH
	Accuracy	pH: ±0.03pH mV: ±5mV
	Fluctuation	±0.01pH /3h
General	Electricity	AC Adapter, 200-240 VAC input
	Dimension (mm)& Weight (kg)	300×235×100; 3

Potentiometric Titrator

TITR-A40

Selling point

- LCD display screen and smart guide system.
- pH calibration and measurement are supported.
- Titrator can be controlled by computer via USB or RS- 232 communication interface.
- Store up to 50 titration data sets (GLP-compliant) and 1 latest set of titration curve.

Features

LCD display screen and smart guide system.

Titration methods, curves and results are displayed in detail.

Replaceable burette with high-accuracy (10 ml or 20 ml selectable).

pH calibration and measurement are supported.

Titrator can be controlled by computer via USB or RS- 232 communication interface.

Data can be easily transferred to printer via RS-232 communication interface.

Store up to 50 titration data sets (GLP-compliant) and 1 latest set of titration curve.

Support titration modes: DET (dynamic equivalence point titration), MET (monotone equivalence point titration), SET (Preset Endpoint Titration) and MAT (manual titration).

Description

- Compared with indicator titration, potentiometric titration has the advantages of objective reliability, high accuracy, easy automation, and is not limited by the color and turbidity of the solution. It is an important analytical method.
- According to the indication principle and the chemical reaction that occurs, the indication methods often used in titration analysis can be generally classified into: potentiometric titration, coulomb titration, permanent stop titration, conductometric titration, photometric titration, and temperature titration.

TITR-A40 Automatic Potential Titrator 1 Set
232-01 Reference electrode 1 Piece
213-01 Platinum electrode 1 Piece
216-01 Silver electrode 1 Piece
217-01 Reference electrode 1 Piece
231-01 pH Glass Electrode 1 Piece
T-818-B-6 Temperature probe 1 Piece
Dropper and Infusion tube (fluoro plastic) (SC5.462.023) (Installed on the 12th valve unit) 1 Piece
Solution cup (SC8.219.010) 3 Pieces
Solution cup (SC8.463.001) 3 Pieces
Ejector tool (SC8.227.126) 1 Piece
Burette valve device 10mL (SC5.461.044) 1 Set
Stirring bar(Small) 3 Pieces
Electrode stand device (SC5.108.022) 1 Set
Infusion tube (fluoro plastic) Φ3.2 (import) (Installed on the 12th valve unit) 1 Piece
Fittings nuts GS-14A, B 3 Sets
1000mL solution bottle(SC5.810.003) (Including dryer) 1 Set
Fuse Φ5×20(3A) 2 Pieces
European standard power cord(3VTJ2) 1 Piece
USB communication cable 1 Piece
Standard pH Buffer Powder (pH4.01, 7.00, 10.01) 1 Piece each
Instruction manual and application examples 1 Piece each

Specifications

Model		TITR-A40
Burette	Titrimetric Repeatability	0.20%
	Accuracy	10ml Burette: ±0.025ml
		20ml Burette: ±0.035ml
	Resolution	10ml Burette: 1μl
		20ml Burette: 2μl
Mechanical Unit	Resolution	1/10000
Measuring Unit	Range	(-1800.0 ~ 1800.0) mv,
		(0.00 ~ 14.00)pH
	Resolutions	0.1mV, 0.01pH
	Accuracy	pH: ±0.01pH, mv: ±0.03%FS
	Fluctuation	(±0.3mV±1bit) /3h
Temp. Compensation	Range	(-5.0 ~ 105.0) ℃
	Resolutions	0.1 ℃
	Accuracy	±0.3 ℃
General	Electricity	AC Adapter, 100-240V AC input, DC24V output
	Dimension (mm)& Weight (kg)	340×400×400, 10

Potentiometric Titrator

TITR-A50

Selling point

- 7” colorful touchscreen and smart guide system.
- Up to 100 user-defined methods and 10 user-defined shortcuts.
- Intelligent operation system provides features .
- Store up to 200 titration data sets (GLP-compliant).
- Store up to 200 titration data sets (GLP-compliant).

Description

- Compared with indicator titration, potentiometric titration has the advantages of objective reliability, high accuracy, easy automation, and is not limited by the color and turbidity of the solution. It is an important analytical method.
- According to the indication principle and the chemical reaction that occurs, the indication methods often used in titration analysis can be generally classified into: potentiometric titration, coulomb titration, permanent stop titration, conductometric titration, photometric titration, and temperature titration.

Features

- 7” colorful touchscreen and smart guide system.
- Titration methods, curves and results are displayed in detail.

- Replaceable burette with high-accuracy (10 ml or 20 ml selectable).
- Support titration modes: DET (dynamic equivalence point titration), MET (monotone equivalence point titration), SET (Preset Endpoint Titration) and MAT (manual titration).

- Titrator can be controlled by computer via USB or RS-232 communication interface.
- Data can be easily transferred to printer via RS-232 communication interface.
- Store up to 200 titration data sets (GLP-compliant).
- Data analysis feature helps user review, compare and recalculate results.
- Intelligent operation system provides features including user management, method management, electrode management, titrant management, data management, etc.
- Up to 100 user-defined methods and 10 user-defined shortcuts.
- Auto calculation with pre-defined formula.
- 1 extra burette driver can be installed (optional).
- pH calibration and measurement are supported.

Specifications

Model		TITR-A50
Burette	Titrimetric Repeatability	0.20%
	Accuracy	10ml Burette: ±0.025ml
		20ml Burette: ±0.035ml
	Resolution	10ml Burette: 0.33μl
		20ml Burette: 0.66μl
Mechanical Unit	Resolution	1/30000
Measuring Unit	Range	(-1999.0 ～ 1999.0) mv,
		(0.000 ~ 20.000)pH
	Resolutions	0.1mV, 0.01pH
	Accuracy	pH: ±0.01pH, mv: ±0.03%FS
	Fluctuation	(±0.3mV±1bit) /3h
Temp. Compensation	Range	(-5.0 ～ 105.0) ℃
	Resolutions	0.1 ℃
	Accuracy	±0.3 ℃
General	Electricity	AC Adapter, 100-240V AC input, DC24V output
	Dimension (mm)& Weight (kg)	340×400×400, 10
Package Dimension (W*D*H)(mm)		550*510*500
G.W.(kg)		11.5

TITR-A50 Automatic Potential Titrator 1 Set

232-01 Reference electrode 1 Piece
213-01 Platinum electrode 1 Piece
216-01 Silver electrode 1 Piece
217-01 Reference electrode 1 Piece
231-01 pH Glass Electrode 1 Piece
T-818-B-6 Temperature probe 1 Piece
Dropper (Fluoro plastic) (SC5.462.023) 1 Piece
Solution cup (SC8.219.010) 3 Pieces
Solution cup (SC8.463.001) 3 Pieces
Ejector tool (SC8.227.126) 1 Piece
Burette valve device 10mL (SC5.461.044) 1 Set
Stirring bar(Small) 3 Pieces
Electrode stand device (SC5.108.022) 1 Set
Infusion tube (Fluoro plastic) Φ3.2 (import) 1 Piece
Fittings nuts GS-14A, B (Import) 3 Pieces each
1000mL solution bottle(SC5.810.003) (Including dryer) 1 Set
Fuse Φ5×20(3A) 2 Pieces
European standard power cord(3VTJ2) 1 Piece
USB to serial cable 1 Piece
USB communication cable 1 Piece
7.0 Resistance pen with tail buckle(Touch pen) 1 Piece
Standard pH Buffer Powder (pH4.01, 7.00, 10.01) 1 Piece each
Instruction manual and application examples 1 Piece

The following are optional parts

Auxiliary titration device 1 Set
Burette valve device 20mL (SC5.461.044) 1 Set
Mixer on top(5.203.002) 1 Piece

Potentiometric Titrator

TITR960 BASIC TITR960 Pro

Overview

T960 series can be used in food, drug testing, disease control, commodity inspection, water treatment, petroleum, chemical, Marine, electric power, environmental protection, new energy, education, scientific research and other fields.

Description

Mixed synchronous inlet system:

The world's leading Mixed synchronous inlet system with 4-channel sample inleting simultaneously. Totally automatic in adding titrant, any combination of additives or auxiliary agents.

Built-in burette:

The most secure built-in burette, which is built in the instrument and can be observed though the window during the test to avoid the harmless chemical leak. Burette volume is optional:1ml/5ml/10ml/25ml

Cloud Service:

With ethernet interface,it can store the database to the cloud server and lead the laboratory instruments to Cloud generation.

Titration platform diversification:

Flexible to work with independent titration stand or 16 auto-sampler, multi-tasking operating through 16 auto-sampler can be fully automated, and the whole process without staff to monitor, so the device has higher work efficiency.

Features

Titrator is a high-precision laboratory analytical instrument for volumetric analysis, according to potentiometric titration, dead-stop titration, Karl Fischer, or other titration methods.

Like acid base, REDOX, precipitation, complexometric, dead-stop, Karl Fischer titration, etc. It has the functions of constant titration, micro titration, endpoint titration, volume titration and mode titration, etc.

At the same time, the users can set up special titration mode according to the actual needs.

Specifications

Model	TITR960 BASIC	TITR960 Pro
Type	potentiometric titration	potentiometric titration, dead-stop titration
MV measuring range	±2000MV	
MV measuring Resolution	Resolution 0.1MV , Accuracy 0.1MV	
pH measuring range	-20.000PH～+20.000PH	
pH measurement	Resolution 0.001PH , Accuracy 0.003PH	
Temperature measuring range	-5～120℃	
Temperature measuring accuracy	±0.1℃	
Interface	2xUSB, RS232, Ethernet	
Max titration station	4	
Max liquid filling module	4	
Burette	1ml, 5ml, 10ml, 25ml (Optional)	
Burette resolution	1/15,0000	
Time the burette charging	16 seconds (100% charging speed)	
Auditing and Tracing	yes	
User ID classify	3 levels	
PC control	yes	
Electrode connector type	mv/pHmeasurement electrode connetor、reference electrode connector 、PT1000 temperature electrode connector	mv/pHmeasurement electrode connetor、reference electrode connector 、PT1000 temperature electrode connector, polarized electrode connector
Auto-Sampler (Optional)	1 position independent titration table, three kinds of auto sampler is optional: 16 position 100mL sampler; 12 position 250mL sampler; 18 position 50mL sampler	
Package Dimension (W*D*H)(mm)	480*410*410	
G.W.(kg)	15	

TITR960 BASIC

Automatic Titrator Main unit 1pc
Magnetic stirring unit 1pc
Titration unit 2pc
Fixing rod 1set
Electrode support 1set
Simple Electrode support 1set
instructions 1pc
Plastic tube 2set
Plastic tube 2set
Power cord 1pc
Power adapter 1pc
Titration 1pcs
USB transfer line 1pc
DB9 transfer line 1pc
USB Disk 1pc
Solution bottle 1pc
Burette nozzle assembly 1pc
Packing list 1pc
Inspection certificate 1pc
Electrode support plug 1set
Glass electrode cap 2pc

pHStandard buffer reagent（pH=4.00） 5set
pHStandard buffer reagent（pH=6.86） 5set
pHStandard buffer reagent（pH=9.18） 5set
50ΩResistance Q9 short connector 1pc
Magnetic stirrer 1set
Four core control line 3pc
Burette tip cap 1pc
Titration pipeline fixing head 3pc
PH electrode, 1 pc

TITR960 Pro

Automatic Titrator Main unit 1pc
Magnetic stirring unit 1pc
Titration unit 2pc
Fixing rod 1set
Electrode support 1set
Simple Electrode support 1set
instructions 1pc
Plastic tube 2set
Plastic tube 2set
Power cord 1pc
Power cord 1pc
Power adapter 1pc
Titration 1pcs
USB transfer line 1pc
DB9 transfer line 1pc
USB Disk 1pc
Solution bottle 1pc
Burette nozzle assembly 1pc
Packing list 1pc
Inspection certificate 1pc
Electrode support plug 1set
Glass electrode cap 2pc

pHStandard buffer reagent（pH=4.00） 5set
pHStandard buffer reagent（pH=6.86） 5set
pHStandard buffer reagent（pH=9.18） 5set
50ΩResistance Q9 short connector 1pc
Magnetic stirrer 1set
Four core control line 3pc
Burette tip cap 1pc
Titration pipeline fixing head 3pc
T9605 wifi module 1pc
PH electrode, 1 pc

Karl Fischer Titrator

TITR-20V

TITR-20V Karl Fischer Coulometer 1 Set
JB-11 stirrer 1 Piece

Electrolytic cell (including 1 Piece inlet screw nut and 1 Piece puncture-resistant silicone sheet) 1 Piece

Electrolysis electrode(includes 1 set of film holder) 1 Piece
Indicator electrode 1 Piece
Dryer(SC5.111.007) 1 Set
European standard power cord(3VTJ2) 1 Piece
Printer connection cable 1 Piece
Fuse 0.5A 2 Pieces
YW-904W 9V/800mA Regulated power supply, european plug 1 Piece
Electrolytic cup fixed ring (SC5.108.020) 1 Piece
Stirrer bar (Small) 3 Pieces
Fixed rod (SC8.123.035) 1 Piece
Puncture resistant silicone sheet(SC8.370.298) 20 Pieces
Micro sampler (1mL) 1 Piece
Micro sampler (0.1mL) 1 Piece

Membrane frame(SC5.156.017)
(With 1 Piece O-ring fluoro rubber each) 2 Sets

Vacuum silicone(Great wall 7501) 1 Piece
Allochroic silica gel 1 Piece
Instruction manual(TITR-20V, JB-11) 1 Piece

Description

- Karl Fischer moisture measurement method has been recognized as the most accurate method by many international standards, such as ISO, ASTM, DIN, BS, and JIS. This method is suitable for the determination of moisture content of various substances.
- Therefore, Karl Fischer moisture analyzers applying its principle have a wide range of applications for solid, liquid and gas samples.

Features

- LCD display screen.
- Data can be stored and easily transferred to printer via RS-232 communication interface.
- Settable parameters, including measurement unit, polarization current, generator current, endpoint potential, stop criterion and etc.
- Reset feature automatically resumes all settings back to factory default options.
- Generator cell with diaphragm.
- Selectable units including μg,mg,%,mg/L,g/L, etc.

Specifications

Model		TITR-20V
Coulometric Ttration	Range	10ug~20mg
	Polarization Current Accuracy	±0.2μA
	Working Current	10mA, 20 mA, 50 mA, 100 mA
	Working Current Accuracy	0.5%
	Accuracy	± (5%+3) μg
	Repeatability	±3%
General	Electricity	AC Adapter， 200-240 VAC input
	Dimension (mm) & Weight (kg)	300×235×100; 3

Karl Fischer Titrator

TITR-40C

Selling point

- LCD display screen.
- Support KF Titration Mode and Titer Detection Mode.
- Features of auto-filling, auto-purging and auto-mixing of the reagents .
- Store up to 200 titration data sets (GLP-compliant).
- Data can be easily transferred to printer via RS-232 commnication interface.

Features

- LCD display screen.
- Store up to 200 titration data sets (GLP-compliant).
- Settable parameters, including measurement unit, polarization current, stirring rate, titration rate, stop volume, endpoint potential, stop criterion and etc.
- Reset feature automatically resumes all settings back to factory default options.
- Selectable units including mg, mg/L, %, ppm, etc.
- Data can be easily transferred to printer via RS-232 commnication interface.
- 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.

Description

- Karl Fischer moisture measurement method has been recognized as the most accurate method by many international standards, such as ISO, ASTM, DIN, BS, and JIS. This method is suitable for the determination of moisture content of various substances.
- Therefore, Karl Fischer moisture analyzers applying its principle have a wide range of applications for solid, liquid and gas samples.

TITR-40C Karl Fischer Titrator 1 Set
External devices 1 Set
500mL solution Bottle including cap and connector (GL45) 2 Sets
Anti-diffusion capillary DFAQ-6-1543-200 1 Piece
Ejector tool (SC8.227.126) 1 Piece
Burette device 10mL (SC5.461.050) 1 Set
Stirring bar (Small) 3 Pieces
5 L polyethylene bucket 1 Piece

Infusion tube (fluoro plastic, White casing)Φ3.2×0.5(L=150mm)
Already installed on the instrument 1 Piece

Infusion tube (Fluoro plastic, Green casing)Φ3.2×0.5(L=900mm)
Already installed on the instrument 1 Piece

Infusion tube (Fluoro plastic) Φ3.2×0.5(L=450mm)
Already installed on the instrument 1 Piece

A solution infusion tube
(Fluoro plastic, Blue casing, L= 800mm, φ5×φ3) 1 Piece

Drip infusion tube (Fluoro plastic, Red casing, L= 800mm,φ5×φ3)
1 Piece

Drain infusion tube (Fluoro plastic, Red casing, L= 900mm,φ5×φ3)
1 Piece

Silicone tube φ6×φ3 (L=350mm 2 Pieces, L=800mm 1 Piece)
3 Pieces

Silicone tube φ6×φ3 (Spare) 1.5 Meters

Fittings nuts GS-14A, B (White) Note: Installed on the valve and titration device 3 Sets

Casing 008NF32-YC6B (Black) Note：
Installed on the Anti-diffusion capillary 1 Piece

Taper gasket 008CZ32 1 Piece
Micro sampler (100μL,1mL) 1 Piece each
Vacuum silicone (Great wall 7501) 1 Bottle
Allochroic silica gel (500g) 1 Bottle
Fuse Φ5×20 (3A) 2 Pieces
European standard power cord(3VTJ2) 1 Piece
The cable between the external device and the host 1 Piece
USB communication cable 1 Piece
Instruction manual 1 Piece

Specifications

Model		TITR-40C
Volumetric Titration	Range	0.1mg~250mg
	Polarization Current Accuracy	0.1mg
	Working Current	1μA±0.2μA; 50μA±10μA
	Repeatability	±0.5%
General	Electricity	AC Adapter， 100-240 V AC input
	Dimension (mm) & Weight (kg)	340×400×400; 10

Karl Fischer Titrator

TITR-40VC

Selling point

- 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 .

Description

- Karl Fischer moisture measurement method has been recognized as the most accurate method by many international standards, such as ISO, ASTM, DIN, BS, and JIS. This method is suitable for the determination of moisture content of various substances.
- Therefore, Karl Fischer moisture analyzers applying its principle have a wide range of applications for solid, liquid and gas samples.

Features

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.

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 µg,mg,%,ppm,mg/L,µg/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).

Specifications

Model		TITR-40VC
Volumetric Titration	Range	(0.1mg~250)mg,
	Polarization Current Accuracy	1µA±0.2µA; 50µA±10µA
	Repeatability	±0.5%
Coulometric Titration	Range	10µg~20mg
	Polarization Current Accuracy	1µA±0.2µA; 50µA±10µA
	Working Current	1, 1.86, 5, 10µg (H2O)/S
	Accuracy	± (5%+3) µg
	Repeatability	RSD of 100µg sample measurement result ≤3%
General	Electricity	AC Adapter， 100-240 V AC input
	Dimension (mm) & Weight (kg)	340×400×400; 10

TITR-40VC Karl Fischer Titrator 1 Set
External devices 1 Set
500mL solution bottle including cap and connector (GL45) 2 Sets
Solid cup(Volumetric method)SC5.010.022(Sampler parts Included SC5.551.029) 1 Set
Electrolytic cup(Coulometric method)SC5.024.039 1 Set
CDJ-1 Electrolysis electrode 1 Piece
CDY-1 Measuring electrodes(Dryer included SC5.111.007) 1 Piece
Anti-diffusion capillary DFAQ-6-1543-200 1 Piece
Ejector tool (SC8.227.126) 1 Piece
Burette device 10mL (SC5.461.050) 1 Set
Stirring bars (Small) 3 Pieces
Solid cup(Volumetric method)Fixture (SC8.043.241) 1 Set
Electrolytic cup(Coulometric method)Fixture (SC5.043.005) 1 Set
Infusion tube (Fluoro plastic, White casing), Φ3.2×0.5((L=150mm)). Already installed on the instrument 1 Piece
Infusion tube (Fluoro plastic, Green casing), Φ3.2×0.5((L=900mm)). Already installed on the instrument 1 Piece
Infusion tube (Fluoro plastic), Φ3.2×0.5(L=450mm). Already installed on the instrument 1 Piece
A liquid infusion tube (Fluoro plastic, Blue casing, L= 800mm,φ5×φ3) 1 Piece

Drip infusion tube (Fluoro plastic, Red casing, L= 800mm,φ5×φ3) 1Piece
Drain infusion tube (Fluoro plastic, Red casing, L= 900mm, φ5×φ3) 1 Piece
Silicone tube φ6×φ3 (L=350mm 2 Pieces, L=800mm 1 Piece) 3 Pieces
Silicone tube φ6×φ3 (Spare) 1.5 meters
Fittings nuts GS-14A, B (White) Note: Installed on the valve and titration device 3 Sets
Casing 008NF32-YC6B(Black) Note: Installed on the Anti-diffusion capillary 1 Piece
Taper gasket 008CZ32 1 Piece
Micro sampler(100μL, 1mL) 1 Piece each
Puncture resistant gasket SC8.370.298 20 Pieces
Vacuum silicone(Great wall 7501) 1 Bottle
Allochroic silica gel (500g) 1 Bottle
Fuse Φ5×20 (3A) 2 Pieces
European standard power cord(3VTJ2) 1 Piece
The cable between the external device and the host 1 Piece
USB communication cable 1 Piece
5 L polyethylene bucket 1 Piece
Instruction manual 1 Piece

Karl Fischer Titrator

TITR-K5

Description

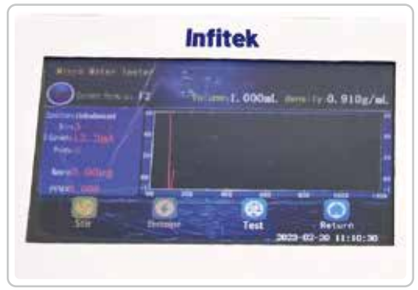
It has the advantages of high measurement accuracy, good repeatability, and low test cost. It is widely used in petroleum, chemical, pharmaceutical, electric power, scientific research, and education sectors, and can be used to measure trace moisture in various liquids, solids, and gases.

Features

- 7-inch color touch LCD screen display, high-efficiency microprocessor, real-time display of instrument working status;
- The time and state trend curves are displayed on the screen of the instrument, which can more intuitively reflect the change of moisture;
- Using single-chip and computer composite control system, dual CPU design, intelligent analysis and determination of moisture;
- Dual power channels separate the electrolytic electrode from the measuring electrode, and the instrument can automatically suppress various interferences, greatly improving the precision of the test results;
- Built-in a variety of calculation formulas, the user can choose the appropriate test method, the instrument will automatically calculate the moisture value according to the selected formula;
- Comes with a delay titration function, which can be set to count down from 0 to 100 seconds, which is convenient for adding a Karl Fischer headspace sampler or purging and complementing instrument later, and is more cost-effective;
- Automatically calculate and print μg/ppm/percent content/formula/date and time,etc.
- Automatic data storage, can store experimental data, easy to check historical records.
- The blank current microprocessor automatically controls the compensation, and the reagent can quickly reach the equilibrium state;
- With self-test function, if there is a short circuit or open circuit fault in the electrode, the instrument will automatically prompt the user;
- 0-430mA large electrolytic current, high detection sensitivity and fast analysis speed;
- The surface is electrostatically sprayed, anti-corrosion and easy to clean;
- Perpetual calendar function, year, month, day, week, hour, minute, second, automatically stored after power failure.

Specifications

Model	TITR-K5
Measurement Method	Karl Fischer Coulomb Method
Display Measurement Range	0.1μg water—9999.9999mg water
Water Content Range	0.0000001%-100% (the min. resolution of the printed result is 0.0001%) or 0.001ppm—10^6 ppm
Resolution	0.1μg water
Display	LCD color 7-inch large screen display
Accuracy	When the water content is 3-1000μg water, the error of the measured value is ≤±2μg; When the water content is above 1000μg water, the error of the measured value is ≤±0.2% (excluding the error of sampling)
End Point Indication	Screen display/sound warning/printout/end point light prompt
Blank Processing	The blank current microprocessor automatically controls the compensation to ensure that the blank can be accurately deducted within the sample enrichment time of 10 minutes.
Stirring Speed	Adjustable control
Drift Compensation	Automatic microprocessor control
Data Input	Touch screen operation
Sample No.	User defined
Electrolysis Speed	Peak value: 2.4 mg water/min
Electrolytic Current	0-430mA
Storage	Can store historical data
Printing	Built-in thermal high-efficiency printer, 56mm paper width
Print Content	μg/ppm/percent content/formula/date and time
Display State	Real-time drawing of colored titration curves
Self-check Function	Automatic diagnosis of instrument faults
Calendar/Clock	Analysis time, date display and printout (not lost when power off)
Power Consumption	＜100W
Electricity	220V±10%，50Hz±2.5Hz
Use Environment	Temperature 5—40℃, humidity<85%
Optional Function	Automatic liquid filling and draining function
Dimension	350*260*198mm
N.W./G.W.(kg)	10kg/14.6
Package Dimension (W*D*H)(mm)	450*450*300



Automatic Potential Titrator **TITR-K5 1**	0.5μl sampler 1
Electrolytic cell bottle 1	50μl sampler 1
Electrolytic electrode 1	1ml sampler 1
Measuring electrode 1	2ml sampler 1
Dry glass tube 2	5ml sampler 1
Electrolytic electrode sealing plug 1	1ml glass injector 1
Electrolytic cell sealing plug 1	9# syringe needle 1
Sealing plug of drying tube 1	Karl fischer reagent（500ml） 1
Teflon injection cock 1	Power cord 1
Silicone gasket 1	Printing paper 1
Dry silica gel particles 1	Fuse 2
Magnetic stirrer 1	Glove 1
Embedded printer 1	User manual 1
Sealing grease 1	Packing list 1
Funnel 1	Test report 1

Electronic Titrator

dTITR

Features

• Electronic control provides a fatigue-free operation

• Remote control panel prevents manual disturbance during operation

• High quality motor with excellent precision and accuracy

• Built-in magnetic stirrer for a complete and easy operation

Titrating pipe 1
Titrating pipe cover 1
dTITR 1
AC Adapter 1
Controller 1
Controller cable USB 2
Bottle Adapter 5(GL32; GL38; GL28; GL25; S40)
Magnetic Stirrer 1
Remote Titrating pipe 1
Remote Control Handle 1
Stirrer Bar（20mm） 1
Filling valve 1
Dispensing valve 1
Filling pipe 2
Installation tools 1
Stander 1

Specifications

Model	dTITR
Volume Range	0.01mL-99.99mL
Max piston lift	10mL
resolution	10μL
Volume Accuracy	R=0.2% CV=0.07%
Velocity	16 stages Operating
Temperature Range	10℃ -30℃
Quality Control	DIN EN ISO 8655
Control Type	External control including the stirrer and the burette program