SUMMARY



Option: Additional Burette KF (10mL)

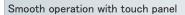
Flagship model

4-channel multi connection/ High extensibility

Karl Fischer Moisture Titrator [Volumetric titration]



Midrange model



Karl Fischer Moisture Titrator [Volumetric titration]



Entry model

Simplify titration

Karl Fischer Moisture Titrator [Volumetric titration]





Option: Additional Burette KF (10mL)



Standard: MS-710VP Magnetic Stirrer /
Automatic Solvent Change Unit

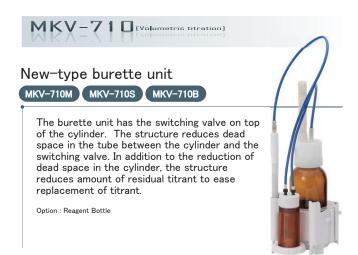
FEATURE

Wireless connection between operation unit, touch panel, and titration unit/ Simultaneous measurement with up to 4 titration units

MKV-710M MKC-710M

By the use of wireless adapters (Bluetooth®, Commercialized product), the operation unit and the titration unit can be used together without being connected to each other with a cable. You can carry out titration of a sample, which emits poisonous gas, safely by keeping the titration unit inside a draft chamber while keeping the operation unit outside of it. You may place the operation unit on the opposite side of aisle or hold it with your hand by connecting a battery (Commercialized product) to it for operation. Attaching a monitor arm to the main control unit allows for flexibility of its mounting position. (The arm mount of the display is compliant with VESA standard 75mm x 75mm.)







OPTION

Evaporator ADP-611



This unit vaporizes water content of solid samples, which is unable to be put directly into the titration cell, by heating them.

The vaporized moisture is bubbled into the titration cell to be measured.

Evaporator for Oil Sample ADP-513



This unit is used to measure water content of lubricant oil, grease, tar products, paints and other viscous liquids. (NON-CE)

Heat Extractor for Sugar Samples ADP-344



This unit extracts water content of a sample in the dehydration solvent by heating the titration cell of Volumetric Karl Fischer Moisture Titrator. This unit is used to measure the water content of chocolates, caramels and other sugar samples. (NON-CE)

Multiple Sample Changer CHK-501



This unit is an evaporator for continuous measurement of multi samples (24 samples).

Heating temperature can be set for each sample, thus, different kinds of sample are able to be set at once. (NON-CE)

Evaporator for Ores ADP-512



This unit vaporizes adherent water and combined water of iron ores, manganese ores, clay, and other inorganic compounds by heating them.
(NON-CE)

Evaporator for High Temperature ADP-512S



This unit has heating capacity up to 1000°C and is used to measure combined water, etc. (NON-CE)

SPECIFICATION MKY-71 [Volumetric titretion]



Туре		Contents	
	Karl Fischer Moisture Titrator		
Model	MKV-710M	MKV-710S	MKV-710B
Product configuration	MCU-710M+MKV-710+IDP-100+	MCU-710S+MKV-710+IDP-100+	MKV-710+IDP-100+Automatic Solvent
	Automatic Solvent Change Unit	Automatic Solvent Change Unit	Change Unit
Measuring method	Karl Fischer Volumetric titration		
Measuring range	1) Water content : 0.1 to 500mgH2O (depends on KF reagent factor)		
	2) Concentration : 10ppm to 100%H2O		
Burette precision	Volume : 10mL burette		
	Discharge precision: ±0.015mL Repeatability: ±0.005mL		
Endpoint detection	By polarized potential level detected with	n a twin platinum electrode	
EP sense method	Detection of potential level maintained during preset end time		
	End time range : 1 to 99s		
Titration form	Normal titration / Back titration (Option	additional burette required)	
Required solvent	30 to100mL (in S-type titration vessel)		
Method	120		20
Key operation	Touch panel		Sheet key
Displays Calculation	1) 8.4-inch color LCD 800 × 600 dots		1) White LED-backlit LCD
	2) English / Japanese / Mandarin Chines	se / Korean / Russian / Spanish /	2) English / Japanese / Mandarin Chinese
	German / French		/ Korean / Russian / Spanish
	3) Simultaneous 4-channel display	3) 1-channel display	3) 1-channel display
	(Can also display Automatic		
	Potentiometric Titrator		
	simultaneously)		
	Concentration of water content, statistics data processing (mean, SD and RSD) and automatic averaging of blank value and		
	factor value		
Data storage	500 samples		100 samples
GLP conformance	Registration of operator / User group add	ministration Titrant: Reminder of factor	Registration of operator / Record of
	measurement date / Alarm to indicate remaining reagent / Reminder of piston		check results / Record of factor
	replacement date / Reminder of reagent replacement date / History of factor		measurement / Management of
	measurement Check performance: Reminder of scheduled check date / Record of		conduction time
	check results		
	Management of conduction time : Display of operating time		
External I/O	RS-232C port × 4	or operating time	RS-232C port × 2
	for Dot matrix printer, Electronic balance, Data Capture Software (SOFT-CAP),		for Dot matrix printer, Electronic balance,
	Evaporator		Data Capture Software (SOFT-CAP)
	·		USB×1
	for USB flash drive, Thermal printer, A4 printer, Keyboard, Barcode reader,		for USB flash drive, Thermal printer,
	Foot switch, USB HUB		Keyboard, Barcode reader, Foot switch,
	Foot switch, USB HUB		
	Foot switch, USB HUB SS-BUS × 1 : for APB		Keyboard, Barcode reader, Foot switch,
Evtensihility	Foot switch, USB HUB SS-BUS × 1 : for APB LAN×1 : for Personal computer (PC)		Keyboard, Barcode reader, Foot switch,
Extensibility	Foot switch, USB HUB SS-BUS × 1 : for APB LAN × 1 : for Personal computer (PC) Measuring instrument : Automatic		Keyboard, Barcode reader, Foot switch,
Extensibility	Foot switch, USB HUB SS-BUS × 1 : for APB LAN × 1 : for Personal computer (PC) Measuring instrument : Automatic Potentiometric Titrator (AT-710),		Keyboard, Barcode reader, Foot switch,
Extensibility	Foot switch, USB HUB SS-BUS × 1 : for APB LAN × 1 : for Personal computer (PC) Measuring instrument : Automatic Potentiometric Titrator (AT-710), Karl Fischer Moisture Titrator		Keyboard, Barcode reader, Foot switch,
Extensibility	Foot switch, USB HUB SS-BUS × 1 : for APB LAN × 1 : for Personal computer (PC) Measuring instrument : Automatic Potentiometric Titrator (AT-710), Karl Fischer Moisture Titrator (MKV-710/MKC-710); Three of these		Keyboard, Barcode reader, Foot switch,
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Ambient condition	Foot switch, USB HUB SS-BUS × 1 : for APB LAN × 1 : for Personal computer (PC) Measuring instrument : Automatic Potentiometric Titrator (AT-710), Karl Fischer Moisture Titrator (MKV-710/MKC-710); Three of these instruments can be added. Automatic piston burette : Can control m Evaporator ADP-611 1) Temperature : 5 to 35°C 2) Humidity : 85%RH or below (no control or control		Keyboard, Barcode reader, Foot switch, USB HUB, Android device
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Ambient condition Power source Power consumption	Foot switch, USB HUB SS-BUS × 1 : for APB LAN × 1 : for Personal computer (PC) Measuring instrument : Automatic Potentiometric Titrator (AT-710), Karl Fischer Moisture Titrator (MKV-710/MKC-710); Three of these instruments can be added. Automatic piston burette : Can control m Evaporator ADP-611 1) Temperature : 5 to 35°C 2) Humidity : 85%RH or below (no of AC100 - 240V ±10% 50/60 Hz Main unit : Approx. 30W Printer : Approx. 7W	condensation)	Keyboard, Barcode reader, Foot switch, USB HUB, Android device
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Ambient condition Power source Power consumption	Foot switch, USB HUB SS-BUS × 1 : for APB LAN × 1 : for Personal computer (PC) Measuring instrument : Automatic Potentiometric Titrator (AT-710), Karl Fischer Moisture Titrator (MKV-710/MKC-710); Three of these instruments can be added. Automatic piston burette : Can control m Evaporator ADP-611 1) Temperature : 5 to 35°C 2) Humidity : 85%RH or below (no of the control of	190(D) × 42(H) mm 292(D) × 367(H) mm (not incl. tubing) 206(D) × 322(H) mm (not incl. Solvent Ch 140(D) × 400(H) mm (not incl. tubing)	Keyboard, Barcode reader, Foot switch, USB HUB, Android device Durette drives) Main unit : Approx. 20W Printer : Approx. 7W
Ambient condition Power source Power consumption	Foot switch, USB HUB SS-BUS × 1 : for APB LAN × 1 : for Personal computer (PC) Measuring instrument : Automatic Potentiometric Titrator (AT-710), Karl Fischer Moisture Titrator (MKV-710/MKC-710); Three of these instruments can be added. Automatic piston burette : Can control m Evaporator ADP-611 1) Temperature : 5 to 35°C 2) Humidity : 85%RH or below (no of the control of	190(D) × 42(H) mm 292(D) × 367(H) mm (not incl. tubing) 206(D) × 322(H) mm (not incl. Solvent Ch	Keyboard, Barcode reader, Foot switch, USB HUB, Android device Durette drives) Main unit : Approx. 20W Printer : Approx. 7W
Extensibility Ambient condition Power source Power consumption Dimensions	Foot switch, USB HUB SS-BUS × 1 : for APB LAN × 1 : for Personal computer (PC) Measuring instrument : Automatic Potentiometric Titrator (AT-710), Karl Fischer Moisture Titrator (MKV-710/MKC-710); Three of these instruments can be added. Automatic piston burette : Can control m Evaporator ADP-611 1) Temperature : 5 to 35°C 2) Humidity : 85%RH or below (no of the control of	190(D) × 42(H) mm 292(D) × 367(H) mm (not incl. tubing) 206(D) × 322(H) mm (not incl. Solvent Ch 140(D) × 400(H) mm (not incl. tubing) 180(D) × 88(H) mm	Keyboard, Barcode reader, Foot switch, USB HUB, Android device Durette drives) Main unit : Approx. 20W Printer : Approx. 7W
Ambient condition Power source Power consumption Dimensions	Foot switch, USB HUB SS-BUS × 1 : for APB LAN × 1 : for Personal computer (PC) Measuring instrument : Automatic Potentiometric Titrator (AT-710), Karl Fischer Moisture Titrator (MKV-710/MKC-710); Three of these instruments can be added. Automatic piston burette : Can control m Evaporator ADP-611 1) Temperature : 5 to 35°C 2) Humidity : 85%RH or below (no of the control moister) Main unit : Approx. 30W Printer : Approx. 7W Touch panel controller : 225(W) × Titration unit : 141(W) × Stirrer : 107(W) × Solvent Change Unit : 240(W) × Printer : 106(W) ×	190(D) × 42(H) mm 292(D) × 367(H) mm (not incl. tubing) 206(D) × 322(H) mm (not incl. Solvent Ch 140(D) × 400(H) mm (not incl. tubing) 180(D) × 88(H) mm	Keyboard, Barcode reader, Foot switch, USB HUB, Android device Durette drives) Main unit : Approx. 20W Printer : Approx. 7W
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