Optional Units



Voltage	Battery Unit: Approx. 24V Battery Charger: AC100V
Usage Time	Continuous Measurement: 2h Display Only: 4h
Charge Time	Approx. 6h
Dimensions/ Weight	Battery Unit: 158(W) x 338(D) x 52(H) mm, 2.5kg Battery Charger 130(W) x 230(D) x 50(H) mm, 2.3kg

CA-31 KF-31 + The light carrying case will hold the CA-31 main unit and battery. ■P/N: CA31CC

Dimensions/Weight Approx. 340(W) x 485(D) x 500(H) mm, 5,2kg

Reagent Dispensing System	CA-31	KF-31 +



For disposing old reagent and dispensing new reagent into titration cell ■P/N: CA31SD

ons/Weight Approx. 86(W) x 84(D) x 56(H) mm, 0,5kg

KF-31 🕀



By ordering one of the cell sets, KF-31 can be used as coulometric instrument.

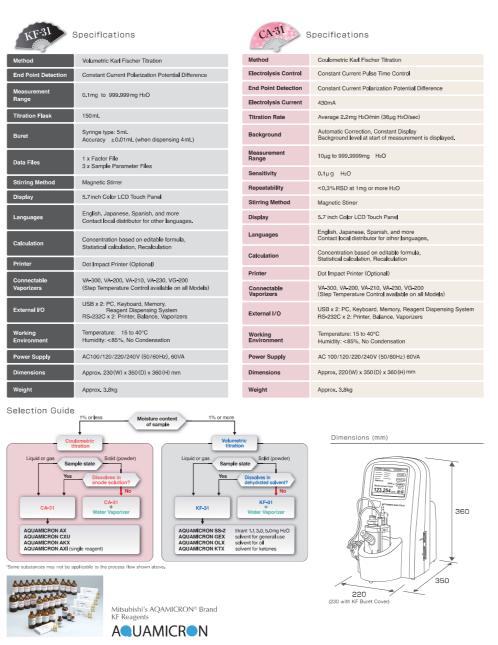
■P/N: CA31CL1 (1-reagent system)





/Weight Approx. 310(W) x 125(D) x 100(H) mm, 1.5kg

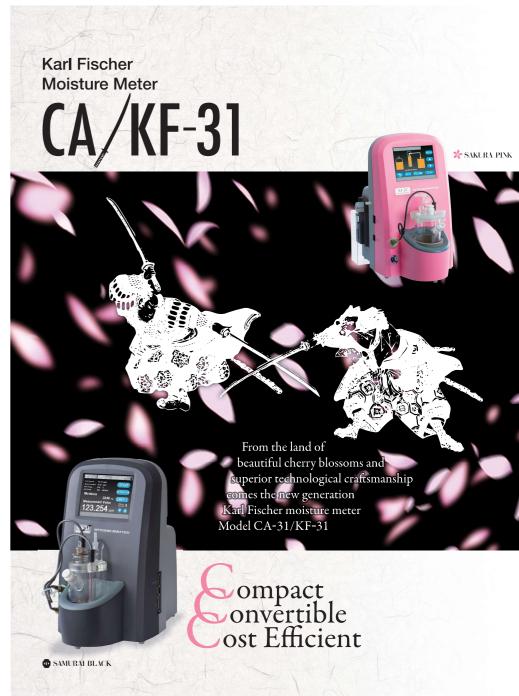
Paper	58mm width
Digits/ line	24
Power Supply	AC100 to 240V, 7VA
Dimensions/Weight	Approx. 106(W) x 180(D) x 88(H) mm, 0.47kg



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URL: https://www.mccat.co.jp/global



Nittoseiko Analytech Co., Ltd.





Model KF-31 initially comes with a titration flask for volumetric titration. By adding a coulometric cell, the same unit can be used as coulometric Karl Fischer instrument. No more need to buy 2 instruments to cover all of your Karl Fischer needs. The KF-31 will run both volumetric and coulometric measurements for you just with this one compact unit!

Features

5.7-inch Color LCD Touch Panel

Easy to view, easy to operate. All of the essential information in one view, Simple buttons to set parameters and start measurement.



Connect Vaporizers

Vaporizers from the 200 series can be connected to CA-31/KF-31. This expands the scope of measurable samples to nearly everything, By using the step temperature function. the suitable temperature for an unknown sample can be easily determined.

Connectable Models: VA-300, VA-200, VA-210, VA-230, VG-200

*Additional power box is necessary for VA-200.
*Additional VA stand is recommended for VA-230.

Automatic Reagent Dispensing System 🕞

Dispose and dispense reagent with one push







Just press START and inject sample to obtain moisture content in ppm or %.

The unit can be taken out to the field for on site measurement with optional carrying case.





Moisture analysis for arious industrial



of insulating oil in

The optional carrying case with battery enables the CA-31 to be transported and used at any location





Exhaust tube

No more replacement of dessicant.

The newly designed exhaust tube frees you from additional maintenance!



Model Method

Standard

Packages



KF-31









VA-210 (For Lubricants)

Sample Size

Measuring Range

Power Supply



ng Temp.	70 to 199°C
er	Transparent Conductive Glass, 200W
ole Size	≦50g
uring Range	≥5ppm
er Gas	Nitrogen, 0.1 to 0.5L/min
er Supply	AC100 to 120V, 160VA / AC220 to 240V, 740VA
noinne / Weinha	A 100/M/ 000/D/ 000/L/ 01

leter Model CA/KF-31

CA-31 KF-31 +

Plastics, rubber.

P/N: CK3VA *POWER CODE (CAM085: 115V or CAM086: 240V) and CONNECTION CABLE (CK3CB3) are necessary.

Transparent Conductive Glass, 150W

Nitrogen, 0.1 to 0.5L/min AC100 to 120V, 160VA / AC220 to 240V, 740VA

Approx. 323(W) x 170(D) x 260(H) mm, 4kg

Up to 10g

≧5ppm

cal, inorganic salts, other powders and solid samples

CA-31 KF-31 +

Lubricants, tar, etc.

■P/N: VAE1B(115V)

VAE1C(230V)

VA-230 (Vial Type)



Place samples in a vial and measure. Suitable for plastics, rubber, food, pharmaceuticals, inorganic salts,

CA-31 KF-31 (+)

■P/N: VAE3B(115V) VAE3C (230V)

Heating Temp.	70 to 300°C
Heater	Aluminum Block Heater, 60W x 2
Sample Size	Up to 10g, Vial size 10mL
Measuring Range	≥30ppm
Carrier Gas	Nitrogen, 0.1 to 0.5L/min
Power Supply	AC100 to 120V, 140VA / AC220 to 240V, 280VA
Dimoneione / Woight	Approx 300(M) v 135(D) v 220(H) mm 3 5kg

VG-200 (For Liquefied Gas) CA-31 KF-31 +



Vaporizes and injects a preset amount of liquefied gas into the CA-31 cell.

■P/N: VGE5F

Applicable Gases	Propane, butane, other liquefied gases
Injection Rate	100 to 600mL/min
Injection Volume	1 to 99L
Pressure Resistance	1MPa
Heating Temp.	40 to 90°C
Power Supply	AC100 to 120V, 44VA / AC220 to 240V, 48VA

PC Software TV-31 (Titration Viewer)

CA-31 KF-31

TV-31 collects measurement data from CA-31/KF-31 to PC. The collected data can be utilized to prepare reports in Microsoft® Excel® or Word® ■P/N: CA31TV

Report in Excel® 3 different templates can be

Data such as statistical calculation results or list of multiple measurements can be selected and prepared into a



Report in Word®

Data such as measurement data, titration chart, parameters, and calculation formula can be chosen via template and printed on a 1 page report.

