

# Aquamicron© KF Reagents

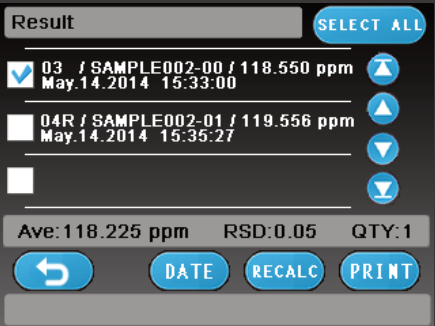
CA 31 use proprietary micro coulometric technology for best reproducibility and high sensitivity, especially with the Aquamicon reagents. Users is guided in the soft-ware and can choose between a conventional 2-solution setup with fritted cathode solution cell, or a single solu-tion configuration with fritless cathode.

Optional reagent dispensing system can be utilized with the fritless cathode solution cell and automate the re-placement of reagent

The instrument can be purchased together with Mitsubishi's Aquamicon® series of Karl Fischer reagents ranging from conventional 2-solution type, single solution type for fritless cell, and special formulas for oils and ketones. These reagents are developed together with the instruments for the best combined

## Specifications

Method	Micro Coulometric titration
End point detection	Constant current polarisation
Electrolysis control	Pulse electrolysis current
Titration rate	2,1 mg H2O / min
Background	Automatic correction
Measuring range:	10 ug - 100 mg
Sensitivity	0,1 ug H2O
Titration cell	150 ml
Display	5,7 " LCD touch panel
Interface	USB connector
Temperature	5 degree to 40 degree C
Humidity	<80% , non condensing
Dimension (W x D x h)	150 x 150 x 300mm
Weight	4,5 kg
Power supply:	100-230 VAC 50 Hz / Battery
Option	Oven, Sample pick up devices
	TV-31 PC software export in Microsoft Word® or Excel® format.



# CA-31



Your own

KF Analyser

A touch of perfection

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**Nittoseiko Analytech**



**Mitsubishi Chemical Analytech**, who has been manufacturing Karl Fischer moisture meters and reagents since 1973, has released a new model CA-31, the latest version of coulometric Karl Fischer instrument.

Perfect fit in you lab or for on site measurement !



CA-31 comes in 2 colours: Samurai Black and Sakura Pink.

Mitsubishi thinks that users should be able to have some fun when choosing instruments, not just comparing specs and prices.



### How it works:

Prior to measure, the users have to choose a method stored in the instrument, start the analysis, and follow the on screen information, from sample introduction up to the end of the measurement, all is clearly displayed on the CA 31.

As the instrument use micro coulometric technology, you will assured to get the best reproducibility and highest sensitivity for all measurements.

No stress, high performances and fast measurement.

### Why choose CA-31

The CA-31 is equipped with a 5.7-inch colour LCD touch panel which enables the user to operate practically manual-free, and all necessary information is visible in one view.

Numerous vaporizers from the Mitsubishi product line-up can be connected to the CA-31 to accommodate difficult to dissolve samples such as powders, pellets, pastes, lubricants, etc. By connecting Mitsubishi's model VG-200 to CA-31, even liquefied gas samples can be measured easily.

Furthermore a PC software TV-31 will enable users to collect measurement results from CA-31 and prepare reports with titration charts, parameters, calculation formula, etc. in Microsoft Word® or Excel® format.

A USB keyboard can be connected to the CA-31 for easier input of sample names. For users who prefer not to use the touch panel, it's possible to control all functions of the instrument from the USB keyboard.



### Typical applications:

- Transformer Oils
- Petrochemical and Refinery Products
- Fine Chemicals
- Gases
- Refrigerants & LPG's
- Ethanol
- Biodiesel & Alternative Fuels
- Water content in biodiesel according to ISO 12937
- Pharmaceutical products
- Quality control
- Polymers
- Battery industry
- Research applications
- Solid samples (with oven module)
- Surface moisture (with oven module)
- Crystallisation moisture (with oven module)
- And many more .....

This versatile CA-31 is not just a valuable lab equipment, but also best suited for use in the field. With optional battery and carrying case, the instrument can be carried to and used in any location in the field, wherever the sampling is.