The KAM® KF Karl Fischer Moisture Analyzer rapidly and accurately determines the water content of liquid hydrocarbon samples for all custody transfer operations: production, pipeline, marine, or truck. It can also be used to analyze water content in refined products, transformer oils, jet fuels, chemicals, and most other liquids.

Easy to use and fully automatic, KAM® KF Karl Fischer Moisture Analyzers operate with greater accuracy and speed than other water determination methods, generally taking less than five minutes to run a single sample with an accuracy up to ten times higher than centrifuge.

Using coulometric Karl Fischer titration, the KAM® KF analyzes samples sized by volume or weight, determines the water content as low as 1 ppm, and saves the data for up to 100 samples. Results can be printed or downloaded via USB or Windows based software.

KAM® reagents are the highest quality available and come packaged pre-measured for immediate use. Simply open and fill the appropriate cells. The KAM® KF unit automatically notifies you when the reagents have expired.

And the KAM® KF is fully portable with a rugged design suitable for the oil field, a rechargeable battery life of 10 hours, and storage for all required consumables.
SPECIFICATIONS

Method: Coulometric Karl Fischer titration
Detection: Polarization detection
Control: Automatic electrolysis current control
Display: 320 x 240 LCD
Data storage: 300 samples
Sample size: 0.1, 0.25, 0.5, 1.0 ml or less than 2 grams (or ml)
Range: 10μg - 100,000μg H2O
Sensitivity: 1 μg H2O
Accuracy: ±5μg for 10μg - 1000mg, 0.5% (C.V.) for over 1000μg (meets or exceeds API MPMS 10.9, ASTM D4928, ISO 12937, and EI 386)

Generator
Electrode Config.: With diaphragm
Titration speed: 1000μg H2O/min. (max. at high H2O concentrations)
Power requirements: Operates on either AC or DC. AC - 110/120, 220/240 V, 50/60Hz 12V rechargeable lithium battery
Ambient Temperature 5°C – 40°C
Communication: USB port, Bluetooth®, Windows based software
Printer: Optional
Dimensions: Portable 15.5” x 8” x 10” (394mm x 203mm x 254mm) Lab 10.5” x 8” x 9” (267mm x 203mm x 229mm)
Weight: Approx. 16 lbs. (9 kg)

FOR MORE INFORMATION ON KAM PRODUCTS

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KAM CONTROLS IS AN ISO 9001 CERTIFIED COMPANY