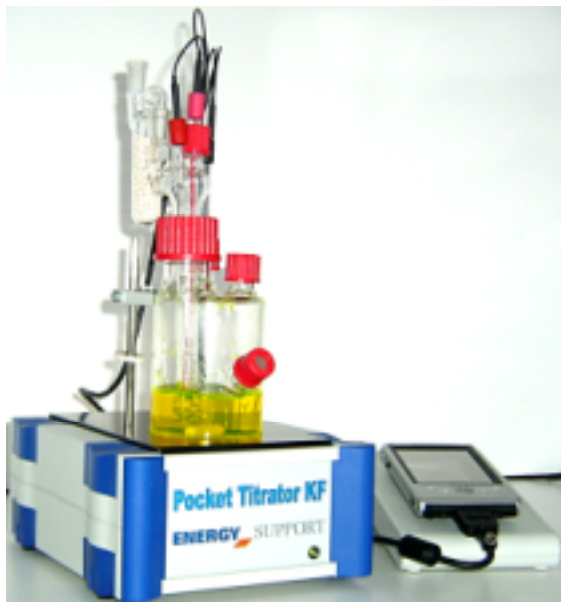# Pocket Titrator KF

Product description:

Precise determination of the water content by direct injection of sample right into the measuring cell.

The **Pocket Titrator KF** is a Microsoft® Windows Mobile™ based, truly portable and easy to use coulometric Karl-Fischer-analyzer.

The microprocessor with high performance controls automatically all electrolysis adjustments. The titration rate is adjusted automatically to current water amount to be titrated.

Advantages:

- **Low background drift measuring cell**
- **Preconfigured methods**
- **"One click" measurement (user –friendly pocket software)**
- **AEC (automatically electrolysis controlled)**
- **High precision even in low concentrations**
- **Infinitely variable electrolysis current for very short analysis duration**
- **Suitable for all commonly used Karl-Fischer-reagents**

Applications:

- Petroleum products
- Mineral oils
- Transformer oils
- Lubricating oils
- Kerosine
- Crude oil

Specifications:

Titration method:	coulometric Karl Fischer Titration
Generator design:	with or without diaphragm
Electrodes:	Platinum
End point indication:	square wave AC polarisation with high resolution

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Measurement end point:	visual displayed
Measuring range:	1 µg – 100 mg water (1 ppm – 100%)
Sensitivity:	smaller then 1 ppm
Resolution:	0,1 µg
Titration current:	0…300 mA, **AEC** - automatically electrolysis controlled
Drift compensation:	automatically controlled
Start delay:	0 – 60 min (user selectable)
Stop delay:	0 – 60 min (user selectable)
Power supply :	110 V, 230 V; 50 – 60 Hz 12 V DC (car adapter; internal battery)
result :	µg; ppm (mg/Kg); %
sample amount:	volume 0,001 – 10,0 ml weight: 1 µg – 10 g
Printer:	windows based printer
Stirrer:	micorprocessor controlled
Dimensions:	150 mm x 200 mm x 60 mm
Weight:	1,5 Kg (without carry case; without reagent)

Touch panel controler:

Display:	3.5" high-brightness transflective TFT LCD (65,536 colours) with 240 x 320 (QVGA) resolution
Flash ROM:	32 MB of flash memory for operating system and embedded applications
System memory:	64 MB of SDRAM for user applications and storage
Processor:	processor at 266 MHz
Operating system:	Microsoft® Windows Mobile™ 2003 software for Pocket PC Premium Edition
Connection:	USB

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