

POCKET TITRATOR KF

Precise determination of the water content by direct injection of sample 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

- Petrochemical products
- Lubricating oils
- Mineral oils
- Kerosene
- Transformer oils
- Crude oil

Specifications

- **Titration method:** coulometric Karl Fischer Titration
- **Generator design:** with or without diaphragma
- **Electrodes:** Platinum
- **End point indication:** square wave AC polarisation with high resolution
- **Measurement end point:** visual displayed
- **Measuring range:** 1 µg – 200 mg water (1 ppm – 100%)
- **Sensitivity:** smaller than 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 volume:** 0,001 – 10,0 ml
- **Weight:** 1 µg – 10 g
- **Printer:** windows based printer
- **Stirrer:** microprocessor controlled
- **Dimensions:** 150 mm x 200 mm x 60 mm
- **Weight:** 1,5 Kg (without carry case; without reagent)

Touch Panel Controller

- **Display:** 3.5" high-brightness transfective 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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