



H.V. TEST

Specialists in High Voltage
Testing & Diagnostics

HVKFM Coulometric Karl Fischer Method (Low H₂O content - Transformer Oil)

The HVKFM instrument of Coulometric Karl Fischer titrators is an used for Coulometric water determination according to the Karl Fischer Method. The instrument is designed for usage as a titrator in analytical laboratories. Its main application field is volumetric titration. The instrument is suitable for processing chemicals and flammable samples. The usage of these titrators therefore requires that the user has basic knowledge and experience in the handling of toxic and caustic substances. Knowledge with respect to the application of the fire prevention measures prescribed for laboratories is also mandatory.

Projects

Repairs

Services

Training

Products



Features:

- Coulometric KF titration with automatic blank deduction Endpoint indication
- Voltametric, AC indication Iodine production Pulse with variable current strength and length.
- Current at the generator electrode: 100, 200, 400 mA
- Titration speed max: 40 ugH₂O/s
- Determination range: 0 to 200 mgH₂O
- Resolution: 0.1 ug H₂O

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Coulometric Karl Fischer Method (Low H₂O content - Transformer Oil)

TECHNICAL SPECIFICATIONS

• Modes	Coulometric KF titration with automatic blank deduction indication
• Endpoint	Voltametric, AC indication Iodine production Pulse with variable current strength and length.
• Current at the generator electrode	100, 200, 400 mA
• Titration speed max	40 ugH ₂ O/s
• Determination range	0 to 200 mgH ₂ O
• Resolution	0.1 ug H ₂ O
• Reproducibility Sample:	Reagent manufacturer's standard. With 10 ug...1000 ug H ₂ O: ± 2 ug With >1000 ug H ₂ O: 0.2% or better
• Drift compensation	Automatic
• Display Graphical	LCD, 240 x 128 dots, LED back-lit
• Printer	Built-in thermal printer, Paper width 57 mm
• Memory Data storage	500 results
• Stirrer control	Coordinated with the titration process
• Computer connection	RS232 interface
• Environmental Conditions	Operating Temperature 5 ... 40 °C Storage Temperature – 20 ... 60 °C Transport Temperature – 40 ... 60 °C
• Input Voltage	100...240 V ± 10 %, Frequency 50 ... 60 Hz
• Power consumption	Max. 30 W
• Material of housing	Steel
• Material of display	Glass (LCD)
• Dimensions	Width 320 x Height 240 x Depth 150 mm
• Weight	8 kg

Included

- 1 x Electrolysis pool
- 1 x Electrolysis electrode
- 1 x Measuring electrode
- 1 x Drying tube
- 4 x Sealing plug
- 2 x Stirrer bar
- 1 x Allochronic silica gel 1
- 1 x 50µl micro syringe
- 1 x 1ml syringe
- 1 x 0.5µl micro syringe
- 1 x Vacuum grease
- 10 x Silicone pad
- 1 x Printer paper roll

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