

Coulometric Karl Fischer Titrator LWT-A30



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Coulometric Karl Fischer Titrator LWT-A30 is a benchtop unit with 10°C to 35°C ambient temperature range, 0 to 100 mg measurement range, and 10 µg to 1000 µg, ± 2 µg amount of electrolysed water range. Features fast and accurate water content determination with very simple process and portable handling unit. It is in accordance with ASTM D1533 (Standard Test Method for Water in Insulating Liquids by Coulometric Karl Fischer Titration) and ASTM D6304 (Standard Test Method for Determination of Water in Petroleum Products, Lubricating Oils, and Additives by Coulometric Karl Fischer Titration).

Features

- Capability of saving maximum 255 data
- 240 * 128 pixels dot-matrix LCD screen
- Equipped with Calendar clock, to record date and time
- End point of sample is measured with high electrode precision value with electrolyte blank current and equilibrium point drift compensation adaptation for accurate measurement
- Automatic shutdown LCD screen with screen protection function
- Design with open-circuit fault and short-circuit fault for automatic detecting function of measuring electrode
- Portable and easy handling

Applications

Coulometric Karl Fischer Titrator is used for the determination of water content in petroleum products and lubricating oils and additives by Karl Fischer titration

Specification

MODEL No.	LWT-A30
Ambient Temperature	10°C to 35°C
Measurement Range	0 to 100 mg
Resolution	0.1 µg
Max. Electrolysis Speed	40 µg /s
Amount and Precision of electrolysed water	10 µg to 1000 µg, ± 2 µg
	>1000 µg, 0.2 %
Relative Humidity	≤ 85 %
Max. Power Consumption	30 W
Power Supply	AC 220 V ± 20 %, 50 Hz
Dimension	320 × 240 × 150 mm
Net Weight	5 kg

Accessories

Item	Quantity	Unit
Electrolyte	1	Bottle
Electrolytic cell bottle(Measuring bottle with 5 openings)	1	Piece
Measuring electrode	1	Piece
Electrolysis electrode	1	Piece
Silicone pad	10	Piece
Silica gel bead	1	Pocket
Printer paper	1	Roll
Electrolytic cell inlet sample stopper	1	Piece
Large glass ground stopper	1	Piece
Small glass ground stopper (with notch)	1	Piece
Small glass ground stopper	1	Piece
Stirrer	2	Piece
Power line	1	Piece
Vacuum grease	1	Piece
Sample filling device 0.5 μ l	1	Piece
Sample filling device 50 μ l	1	Piece
Sample filling device 1 ml	2	Piece
Straight drying tube	1	Piece