

Aquatest 2010

Karl Fischer Coulometric Moisture Titration System

- Full-featured, user friendly operating system, multiple RS-232C ports for system expansion, simultaneously interfacing both a balance and a computer.
- Quick, accurate moisture analysis, provides maximum isolation of solutions from atmospheric moisture.
- Optional Vaporizer analyzes challenging materials like lyophilized proteins, pharmaceutical powders, or biomedical, pharmaceutical and plastic industry solids. Karl-Fischer reagents, available in kit and bulk packaging.
- GLP software, includes statistics, diagnostics and reagent monitoring packages.
- CE-Mark compliant, allowing easy entry into international markets.

Applications

Pharmaceutical	Chemical	Food & Beverage
Biomedical	Plastics	Transportation
Petrochemical	Utilities	Aerospace

Reagents



Aquatest 2010 Titrator Specifications:

Method:	Coulometric Karl Fischer Titrimetry
Detections:	Constant Current Polarization
Titration Control:	Automatic Electrolysis Current Control
Titration Rate:	Maximum: - 2400 µg H ₂ O/min.
Background:	Automatic Correction
Measuring Range:	10 µg to 100 mg H ₂ O
Sensitivity:	0.1 µg H ₂ O
Precision:	± 3 µg for 10 µg to 1 mg H ₂ O C.V. = 0.3% or less for 5000 µg H ₂ O or more
Display:	Large 20 character LCD
Files	8 Titration Files, 99 Sample data points
Calculation:	Concentration (µg, %, ppm, mg/L), Mean Standard Deviation, Coefficient of Variation
Printer:	21 character Thermal Dot Matrix Printer , paper width 57mm
Input/Output	Standard built-in RS-232 dedicated balance interface Standard built-in RS-232 dedicated computer interface
Other Functions:	Self Diagnostics, Reagent consumption indicator, Data recalculation, Power-off memory 2 month operation after full charge, GLP formatted data output
Sample Introduction:	Angled sample port, Indirect: Optional Vaporizer
Power Requirement:	AC 100V, 115V, 220V, 240V 50/60Hz, 160VA
Dimensions:	Case: 450mm (W) x 203mm (D) x 178mm (H) 17.75" (W) x 13.25" (D) x 5.5" (H)
Weight :	Approx. 6.1 kg (13.25 lbs.)

Aquatest 2010 Vaporizer Specifications:

Temperature Range:	50°C to 300°C (at ambient temperature of 25°C)
Oven Type:	Transparent Electro-conductive Glass, 120VA
Sample Capacity:	Concentration (µg, %, ppm, mg/L), Mean Standard
Measurable Range:	Up to 10 grams (depending on sample density)
Gas Requirements:	100 to 500 ml/min Nitrogen supplied at 2 kg/cm ² (30 psi)
Sample Introduction:	Automatic sample boat loader
Moisture Transfer:	Via heated gas transfer line (105°C)
Blank Reduction:	Via automatic moisture purge system
Dimensions:	Approx. 508mm (W) x 203mm (D) x 178mm (H) 20" (W) x 8" (D) x 7" (H)
Weight :	Approx. 6.1 kg (13.25 lbs.)

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