

“Cou-Lo Aquamax” KF Moisture Meter



GRS Results Manager

GRScientific Results Manager

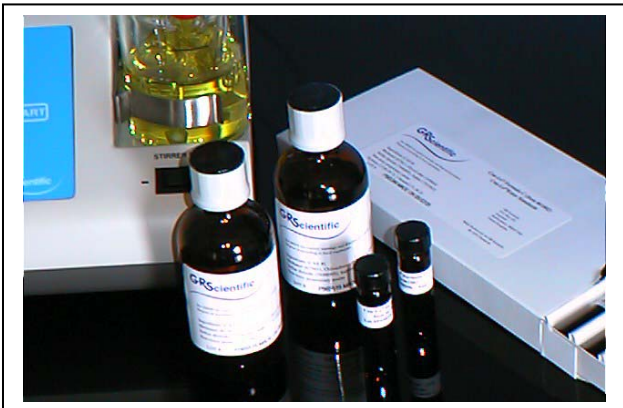
DISCONNECT SAVE LOAD EXPORT PRINT

Status: Connected Model: Cou-Lo Aquamax 2.4f Serial#: 71008 Calibrated: 28/04/2006

Date: 05/05/2006 Results: 4 Result Format: ppm Calculation Mode: V/SG

Run#	Time	Drift	Nett	Volume	Density	Result	Flags
1	12:04:02	0	23.96	1.0000	0.8750	27.38	
2	12:05:16	0	23.04	1.0000	0.8750	26.33	
3	12:06:06	0	23.08	1.0000	0.8750	26.38	
4	12:06:56	0	22.35	1.0000	0.8750	25.54	

Max: 27.4 ppm Min: 25.5 ppm Mean: 26.4 ppm SD: 0.65 CV: 2.47



Background

The Cou-Lo Aquamax has been developed in response to many suggestions and comments from our customers in laboratories, off-shore and in the field. The built-in battery and optional carry case, provide the versatility required by the laboratory and also the ease of use and portability required by the field engineer.

Easy to Use

Simple to programme so that only a single button needs to be pressed for a titration, everything else is automatic. The unique Low Drift Cell glassware design is by far the easiest to use and also the most robust. The “O” ring system allows the joints to seal completely without the use of grease or Teflon sleeves. Hassle free assembly and disassembly.

Results & Records

The built-in high speed printer provides hard copy of results and even allows duplicate print outs if required. Results can also be downloaded via the Results Manager software package onto a pc spreadsheet format.

Spares & Accessories

The Cou-Lo Aquamax is supplied ready for operation. A comprehensive glassware pack including electrodes, vessel, leads, syringe, printer paper, etc, is supplied as standard. A calibration certificate and 24 month warranty are also provided.

Reagents

Specially formulated to provide optimum performance with all makes and models of coulometric Karl Fischer titrators, our unique reagents provide improved sample miscibility and solubility. Cou-Lo Formula reagents are packaged in single-shot screw top bottles containing 100ml anode reagent and 5ml easy-snap ampoules of cathode reagent. Standard carton contains 8 anode charges, 8 cathode charges and 2 water standards.

Coulometric KF Moisture Meter • Simple operation • 10 user programmable methods • 1ppm / 100% • Results in ppm, mg/kg, % & µg water • Multi language display & print out • Small footprint • Integral high speed printer • Fully portable • Low drift cell design • Automatically compensated errors (patented technique) • Optional carry case • Conforms to ASTM D1533, D 4928, D6304, IP386, IP438, API MPMS Chapter 10.9, IEC60814, ISO 10101-3, 10337 & 12937

Cou-Lo Aquamax Specifications & Features

Titration method	Coulometric Karl Fischer titration
Electrolysis control	Patented "ACE" control system
End point detection	AC polarisation
End point indication	Visual display/print out/acoustic beep
Display	40 character alphanumeric backlit LCD
Measuring range (possible)	1µg – 100mg water
Measuring range (typical)	1µg – 10mg water
Moisture range	1 ppm – 100% water
Max. sensitivity	0.1 µg
Max. titration speed	2.0 mg per minute
Max. current	400 ma
Drift compensation	Automatically controlled
Start delay time	0 – 30 minutes, user selectable
End delay time	0 – 30 minutes, user selectable
Power supply	90-264V AC, 47-63 Hz. 12V DC car adapter/internal battery
Precision	10-100µg ±3µg, 100µg-1mg ±5µg, above 1mg ±0.5%
Calculation modes	Weight/weight, user programmable Weight/dilution ratio, user programmable Volume/density, user programmable Volume/volume, user programmable
Display format	µg, mg/kg, ppm, %
Print format	µg, mg/kg, ppm, %
Statistics	max, mean, min values upto 99 runs
Method storage	10 user programmable methods
Sample ID number	User programmable
Printer	42 character high speed thermal printer
Stirrer speed	Microprocessor controlled
Dimensions	250 x 245 x 120 mm
Weight	3 kg
Calendar/clock	Analysis time & date print out
Battery low indicator	Display & print out indication

ORDERING INFORMATION

Product	Part No.
Cou-Lo Aquamax Coulometric KF Moisture Meter	71000
Supplied Accessories (also available as spares items)	
Titration Vessel	71-0102
Detector electrode	71-0103
Generator electrode (with frit)	71-0104
Desiccant tube & cap	71-0106
Injection septa (pack 10)	71-0107
Glass syringe 1ml	71-0108
Luer needle	71-0109
Thermal paper roll	71-0119
Carry case	201109
Results Manager software package	101005
Cou-Lo Formula reagents pack	61000