

Karl Fischer Titrator Model : μ AquaCal₁₀₀



Supplied with 250ml Reaction Vessel, Dual Platinum Electrode, Teflon Paddle Teflon Assembly, Moisture Trap for Reaction Vessel & 250ml Amber Reservoir Bottle, Dispensing Tube (02 Nos), Teflon Tubing for Dispensing Path, Operational & Instruction Manual, Manufacturer Test Certificate and Warranty Card.

Technical Specification :

- Method of Detection :** Conductometric
- Backlit LCD Display :** 20 x 4 Line Alphanumeric
- Range of Moisture Detection :** less than 10 PPM to 100%
- Display of Reading :** Direct Reading of Moisture in PPM, Percentage(%) & mg/ml of water
- Dispenser :** Motorized Dispensing for low and accurate measurement of reagent.
- Electrode :** Dual Platinum Electrode.
- Interface :** Serial & Parallel Port for PC & Dot-matrix Printer attachment.
- Stirring Time :** 00:00 to 99:00 (Minutes: Second) - Users Adjustable
- End Point Time :** 1-99 Seconds , Users Adjustable
- End Point Sensitivity of Moisture Detection :** Users Adjustable
- Calibration Reminder Alarm :** 0-99 hours
- Data Storage :** More than 100 Analysis data with corresponding calibration data.
- Input :** Electrode Connector
- Power supply :** 230 VAC \pm 10%, 50 Hz

Salient Features :

- Metallic Epoxy Based Powder Coated Body
- Parallel & Serial Port for Dot-matrix Printer & PC attachment respectively.
- Report Formation as per GLP Compliance.
- 100 analysis data storage with corresponding calibration date with Batch Number, Real Date & Time, Operator Name, Sample Name, searching of data as per Batch No.
- Built in Magnetic Stirrer with soft touch Key Speed Controller.
- Automatic end point detection with Audio & Visual Alarm.
- Auto Neutralization reduces the time between analysis & gives accurate Results.
- OVER TITER Audio Alarm save KF Reagent
- Automatic Calculation of Avg. Factor & 10 KF Factor can be stored in memory
- Auto Drain Facility for cleaning reaction vessel.
- Onsite Dispenser Calibration / Validation Facility.
- MOC of Dispenser is SS/ABS/TEFLON for Corrosion Protection & Maintenance
- Free Operation.
- In-Built Flushing System for cleaning dispensing path.
- Users adjustable end point sensitivity.
- Calculation of % RSD
- Transfer of weight directly from Balance to KF Unit.
- RS-232 to USB interface with Cable & Driver Software to Transfer Data from Inst. to PC

CALIBRATION REPORT

Report Date & Time : 18-JAN-2010 - 15:30
 Company Name : ANALAB (VADODARA)
 Calibration Date & Time : 18-JAN-2010 - 14.57
 Calibration Method : Water by Volume
 Calibration Done By : AAAAAAAAAAAAAAAAAA
 Stirring Time (Seconds) : 00

Sr.No.	Volume(microlitre)	End Point(mL.)	TF Value
01	10	01.83	5.464481
02	10	01.80	5.555556
03	10	01.84	5.434782
04	10	01.83	5.464481
05	10	01.85	5.405405
06	--N/A--		
07	--N/A--		
08	--N/A--		
09	--N/A--		
10	--N/A--		
Average Titer Factor			5.464941
RSD (%)			01.02

Calibration done on MicroAquaCal100
 Instrument Sr. No. : 2009-10/1155

ANALYSIS REPORT

Report Date & Time : 12-FEB-2010 - 16:09
 Company Name : ANALAB (VADODARA)
 Calibration Date & Time : 11-FEB-2010 - 23.34
 Calibration Method : Water by Volume
 Average Titer Factor : 6.666666
 RSD (%) : 55.35
 Record Number : 00
 Analysis Date & Time : 12-FEB-2010 - 16.00
 Batch/ID Number : AAAAAAAAAA
 Sample Name : AAAAAAAAAAAAAAAAAA
 User Name : AAAAAAAAAAAAAAAAAA
 Sample Type & Method : Liquid by Volume
 Volume of Sample (mL.) : 05.000
 Density of Sample : 0.789
 Stirring Time (Min:Sec) : 00:00
 End Point Time (Seconds) : 20
 End Point (mL.) : 01.21
 Moisture % : 000.2044
 Moisture (PPM) : 0002044.0
 H2O (mg/mL) : 003260.33

Analysis done on MicroAquaCal100
 Instrument Sr. No. : 2009-10/1155