

## Microcontroller Based Karl Fischer Titrator

Model:  $\mu$ AquaCal5 | Make: ANALAB | HSN Code: 90278990



Supplied with 250ml Reaction Vessel, Dual Platinum Combined Electrode, Teflon Paddle, Teflon Assembly, Moisture Trap (02 Nos.), 250ml Amber Reservoir Bottle, Dispensing Tube (02 Nos.), Micro tip (02 Nos.) Teflon Tube for Dispensing Path, Power Cord, Operational & Instruction Manual with SOP, Calibration Test Certificate (Without Traceability Document) and Warranty Card.

**Technical Specification:**

Method of Detection	: Conductometric / Volumetric
Range of Moisture Detection	: Better than 100 ppm to 100% (depends upon type of sample)
Dispensing Resolution	: 0.01ml
Magnetic Stirrer	: Built-in with soft touch Key speed controller
End Point Time	: Fix 20 seconds
End Point Detection	: By Audio & Visual Alarm
Over titration Alarm	: Audio / Visual Alarm at 15 ml to save KF Reagent
<b>Flush</b>	: <b>For cleaning dispensing path</b>
Factor/Moisture Calculation	: Manual Calculation
<b>Dispenser Calibration/Validation</b>	: <b>Onsite by users</b>
<b>Dispenser MOC</b>	: <b>SS-316L &amp; Teflon for Corrosion Protection &amp; Maintenance Free Operation</b>
<b>Dispenser Type</b>	: <b>Motorized - For accurate measurement</b>
<b>Teflon Tube</b>	: <b>To transfer KF reagent from KF reagent bottle to dispenser &amp; dispenser to reaction Vessel</b>
Material of Construction	: Epoxy Based Powder Coated Metallic Body / GMP Enclosure made up of Stainless Steel
Type of Electrode	: Dual Platinum - Combined Type
Input	: Electrode with Banana Connector
<b>Error Messages</b>	: <b>“Over KF”.</b>
<b>Short Link</b>	: <b>Provided to diagnose the problem either with Instrument OR Electrode</b>
Display	: 16 x 2 Line Alphanumeric Backlit LCD
Keypad	: Membrane waterproof polycarbonate soft touch keypad compliance to UL/ROHS.
Power Supply	: 230VAC $\pm$ 10%, 50 Hz

## Optional

1. Syringe for factor calculation
2. GMP Enclosure made up of Stainless Steel
3. Keypad Screen Guard
4. Traceability Documents

### Available other Models of Karl Fischer Titrator

- Karl Fischer Titrator Model:  $\mu$ AquaCal5 (0.1 ml Auto Dispenser)
- Karl Fischer Titrator Model:  $\mu$ AquaCal10+ (0.01 ml Auto Dispenser & Auto Drain with Printing Facility as per Non-GLP Format)
- Karl Fischer Titrator Model:  $\mu$ AquaCal50 (0.001 ml Auto Dispenser & Auto Drain with Printing Facility as per GLP Format)
- Karl Fischer Titrator Model:  $\mu$ AquaCal100 (0.001 ml Auto Dispenser & Auto Drain with 21 CFR Part-11 Compliance)

### Product Range

- pH/mV/°C/ORP Analyzer • Conductivity/TDS/Resistivity/Salinity/°C Analyzer
- Multiparameter Analyzer (pH/ORP/Conductivity/TDS/Resistivity/Salinity/°C)
- Karl Fischer Titrator • Auto Titrator • Automatic Melting Point Apparatus
- Flame Photometer • Friability Test Apparatus • Tablet Dis-integration Test Apparatus
- Tap Density Test Apparatus • Tablet Hardness Tester • Leak Test Apparatus
- Tablet Dissolution Test Apparatus • Electromagnetic Sieve Shaker • Ultrasonic Bath (Sonicator) • Analytical Electronics Balance • Halogen Based Moisture Analyzer
- Visible & UV-Vis. Spectrophotometer • Nitrogen Gas Generator • Zero Air Gas Generator • Combination Nitrogen / Zero Air Gas Generator • Air Drying Unit for TOC Analyzer • Dew Point Apparatus • Gas Handling & Purification System • Laboratory Furniture & Fume Hood • Exhaust Hood for AAS/ICP.

## ANALAB SCIENTIFIC INSTRUMENTS PVT. LTD.

AN ISO 9001 : 2015 CERTIFIED CO.  
CIN: U33110GJ2005PTC046555

Plot No. 361, Sayajimarket,  
N. H. No. 8 By-Pass,  
At & Post : Sayajipura,  
Vadodara - 390019, Gujarat, India.

+91 265 2514404, 9714503393

info@analab.co.in

www.analab.co.in, www.analabscientific.com

