

Microcontroller Based Karl Fischer Titrator

Model: μ AquaCal10+ | 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
Auto Neutralization	: On / Off - users selectable - reduces the time between analysis & gives accurate results
Stirring Time	: 00:00 to 99:00 (mm:ss) – users adjustable
End Point Sensitivity	: 80-100 - users adjustable
End Point Time	: 1-20 seconds - users adjustable
End Point mV	: 1000-3000 mV - users adjustable
End Point Detection	: By Audio & Visual Alarm
Over titration Alarm	: Audio / Visual Alarm at 15 ml to save KF Reagent
Display of Reading	: Moisture in ppm & percentage (%)
Auto Drain	: For cleaning reaction vessel - useful for large & multiple volume sample
Flush	: For cleaning dispensing path
Average KF Factor Calculation	: Manual
Dispenser Calibration/Validation:	Onsite by users
Dispenser MOC	: SS-316L & Teflon for Corrosion Protection & Maintenance Free Operation
Dispenser Type	: Motorized - For accurate measurement
Teflon Tube	: To transfer KF reagent from KF reagent bottle to dispenser & dispenser to reaction vessel
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
Error Messages	: “Over KF” & “KF Factor Error” & ”Low Memory”
Short Link	: Provided to diagnose the problem either with Instrument OR Electrode
Display	: 16 x 2 Line Alphanumeric Backlit LCD
Keypad	: Membrane waterproof polycarbonate soft touch keypad compliance to UL/ROHS
Analysis Data Storage	: More than 500 analysis data which can be viewed & Print, company name, analysis date & time, record number, *Username, *Sample Name, *Bath Number/ID, sample type, sample volume (ml / mg), sample density (for liquid sample), stirring time, end point time, end point sensitivity, end point in ml, moisture result in % & ppm,

instrument serial number, Instrument Make & Model & *Signature etc.
Secondly, analysis data can be print online without saving analysis data in Instrument. (*: **Not Possible to enter Data by Instrument Keypad but it will be Handwritten**)

Searching of data	:	With record number by scrolling.
Report Formation	:	As per Non-GLP Compliance
Printer Interface	:	Centronics Parallel Port/ Serial (RS-232 C) Port
Printer	:	40 / 80 Column Dot Matrix Printer (Printer must procure optionally)
Power Supply	:	230VAC \pm 10%, 50 Hz

Optional

1. IQ/OQ/PQ/DQ Documents

- Note:**
- Please provide Customer's Name & Address prior to dispatch.
 - To perform onsite documentation, visit charge will be extra depending upon place of Installation.
 - Traceability documents along with installation report.
 - Standards / Chemicals / Buffers required to perform documents are in customer's scope.
 - We don't send documents by email.

2. Syringe for factor calculation

3. GMP Enclosure made up of Stainless Steel

4. Keypad Screen Guard

5. Traceability Documents

Available other Models of Karl Fischer Titrator

- Karl Fischer Titrator Model: μ AquaCal5 (0.1 ml Auto Dispenser)
- Karl Fischer Titrator Model: μ AquaCal10+ (0.01 ml Auto Dispenser & Auto Drain with Printing Facility as per Non-GLP Format)
- Karl Fischer Titrator Model: μ AquaCal50 (0.001 ml Auto Dispenser & Auto Drain with Printing Facility as per GLP Format)
- Karl Fischer Titrator Model: μ 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.

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AN ISO 9001 : 2015 CERTIFIED CO.
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