

Karl Fischer Titrator *Whiz*



Moisture Estimation with Ease & Accuracy

- Touch screen display
- Stand alone or through PC
- GLP compliant
- CFR 21 part 11 compliant
- Automatic drift compensation

Specifications

Principle	: Voltametric determination of moisture.
Control	: Advanced ARM-11 based SOC
Report Format	: Report with provision for remarks & signature
Reporting	: Drift report, Result report, Parameter report & document report
Report storage	: 100 document reports can be stored
Mode of Titrations	: Blank, Titer, Sample
Drift	: Manual or Automatic compensation
Method Storage	: 100 user methods can be stored
Stirrer System	: Magnetic stirrer with digital display
Stir time	: Selectable for any desired time
Sensor	: Dual platinum electrode
Dosing	: Stepper Motor driven Kinetically controlled volumes & delay times using piston burette
Result units	: %w/w, %w/v, ppm, mg, mg/ml
Burette	: 20 ml Interchangeable
Burette Resolution	: 1/20,000 or 0.001 ml / step
Filling time	: < 20 sec.
mV range	: ± 2500.00 mV
Resolution	: 0.01 mV
End Point Potential	: Adjustable
Measuring Range	: 10 ppm to 100%
Statistics	: Mean value, SD, RSD (2 to 20)
Input impedance	: $10^{12} \Omega$
Keys & Display	: 7" TFT touch screen display
Mouse Connectivity	: Optional
Peripheral Interface	: USB (3), Rs232, Balance Interface, Parallel Printer, PC connectivity through Ethernet.
Power	: 230 V AC ± 10%, 50 Hz
Environmental requirement	: Operation : Indoor, Temperature : ambient to 45° C, Humidity : 5 to 90% non - condensing
Dimensions	: 30 cm x 28cm x 17cm
Weight	: 9 Kg (Aprox)

Features

- Corrosion resistant fiber body.
- Compact design
- Interchangeable burette module for quick change from one titration to another, with burette recognition
- Facility to eject defined volume with dose step & delay time selection along with simultaneous display of mv.
- Result Report with EP ml & corresponding mv along with automatic calculation in desired units using Formulae Constants.
- Facility to enter burette factor for calculation purpose.
- Document format report print out which can be directly filed.
- Time, Date, Titration number & Sample identification number facility.
- Alphanumeric entry possible for sample name, batch number, operator name etc.
- Individual username & password for each user, limiting system access to authorized individuals



Ethernet computer port :
Model Whiz can work as
"Stand alone" or through PC
If PC is to be used only for
data transfer CFR 21 Part 11
compliant software is available.

If instrument is to be operated through PC,
software available, which is also CFR 21 part 11 compliant.



A mouse can also be used for control.



Pen Drive connectivity available.



USB port for printer provided for
direct printout without using PC.
Most of the commonly available
printers can be connected.

(Due to continuous R & D, the specification & Dimensions subject to modification.)

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