



**Only a Academician Understands
Difficulty of a Teacher**

**Instruments for
Ease of doing experiments
specially developed for
colleges from your trusted brand**

EQUIPTRONICS®

40 years of innovation

2020



“LIST OF INSTRUMENTS (DIGITAL)”

- UV-VISIBLE SPECTROPHOTOMETER
- VISIBLE SPECTROPHOTOMETER
- FLAME PHOTOMETER
- POLARIMETER
- PHOTOFLOUROMETER
- POTENTIOMETER
- TURBIDITY METER / NEPHLOMETER
- pH METER
- CONDUCTIVITY (EC) METER
- COMBO MODEL
- ORP METER
- TDS METER
- DISSOLVED OXYGEN (DO) METER
- PHOTOELECTRIC COLORIMETER
- MAGNETIC STIRRER
- ELECTRODES: pH, CONDUCTIVITY, TURBIDITY, PLATINUM, REFERENCE
- ELECTROPHORESIS APPARATUS & POWER SUPPLY
- UV TRANS ILLUMINATOR & UV CABINET
- THERMOMETER - BECKMAN SUBSTITUTE
- MELTING POINT/BOILING POINT APPARATUS
- ELECTRO GRAVIMETRY APPARATUS
- STOP CLOCK • INTERVAL BEEPER (TIMER)
- CALIBRATION STANDARD SOLUTIONS & ACCESSORIES
- SPECTROPHOTOMETER CUVETTE • POLARIMETER TUBE • COLORIMETER CUVETTE
- SERVO VOLTAGE STABILIZER
- ON LINE pH, CONDUCTIVITY, POTENTIOMETER INDICATOR CUM CONTROLLER
- TITRATOR - pH, CONDUCTIVITY, POTENTIOMETRIC
- KARL FISHER TITRATOR
- AUTO DISPENSOR & BURETTE
- TLC CABINET WITH CAMERA

EQUIPTRONICS®

UV- VIS SCANNING SPECTROPHOTOMETER

MODEL EQ-826PC
EQ-826

DUAL BEAM with Auto Scanning; MICRO PROCESSOR BASED UV-VIS- 190 nm to 1100 nm; with dedicated PC & EZ CRUZ - 16 SP software equivalent to imported Brand
Useful for Research, Industry, Biotech, Pharmacy, Biotech

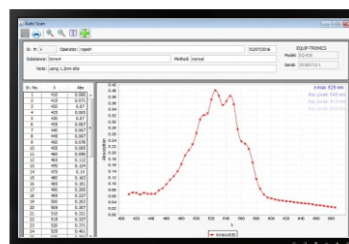
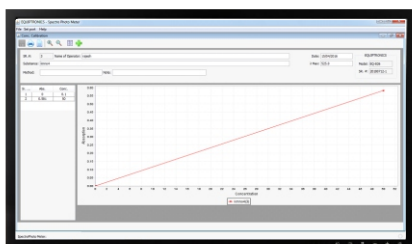
Quartz Cuvette
APH Jacketed

One Button
Operation



WELL LAID OUT PANEL WITH NOTES & INSTRUCTIONS

Now with the help of PC you can use auto scan, find λ max., plot concentration graph, find 'K' factor store users information and recall whenever required



SPECIFICATIONS

- Dual Beam Mirror Optics
- Operation: One Button Operation Feather Touch
- Range: 190 nm to 1100 nm
- Digital readout of %T, O.D. Conc. and wavelength, red & green display
- Source : Halogen & D2 lamp
- Cut off filter IR
- Resolution : 0.1% in %T, 0.001 in O.D., 1 in 999 for Conc. in PC mode
- Spectral bandwidth 1 nm
- Wave length accuracy : ± 1 nm
- Wave length stability : ± 1 nm
- Reading stability : ± 2 digit
- **Technology: Quantum Zuerkst Certified**
- **6 point concentration calibration**
- **Low volume sample : 1ml**
- **Software included EZ CRUZ - 16 SP**
- **Auto scan, find λ max., Conc. graph, K-factor, Users info can be re called**
- **CAN BE USED WITH OR WITHOUT PC**
- **Power: 230V AC, 50Hz, 100VA**
- **Weight : 15 Kg.**
- **Dimension : 230mm (H) x 525mm (W) x 555mm (L)**
- **Sleek, corrosion proof fiber body**
- **Feather touch controls**
- **IQ, OQ, PQ and 21 CFR as per FDA compliance**
- **Cuvette: 2 Nos Quartz APH Jacketed EQ APHQ**
- **Panel: Well laid out panel with notes & instructions**

For protection against power fluctuation, servo stabilizer EQ 590 is recommended

Model EQ 826PC includes Ready to use Laptop with installed EZ CRUZ - 16 software
Model EQ 826 is PC compatible with EZ CRUZ software but without Laptop

UV- VIS SCANNING SPECTROPHOTOMETER

MODEL EQ-825A

Single BEAM with Auto Scanning; MICRO PROCESSOR BASED UV-VIS- 190 nm to 1100 nm; P.C. Compatible with EZ CRUZ - 16 SP software – equivalent to imported brand
Useful for Research, Industry, Biotech, Pharmacy, Biotech

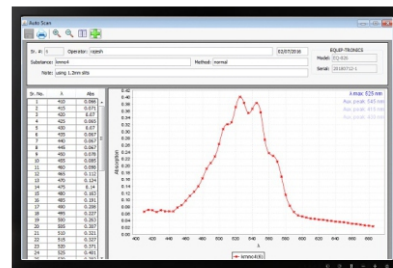
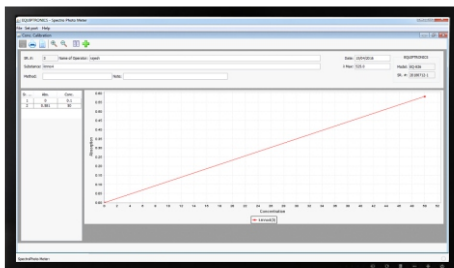
Quartz Cuvette
APH Jacketed

One Button
Operation



WELL LAID OUT PANEL WITH NOTES & INSTRUCTIONS

Now with the help of PC you can use auto scan, find λ max., plot concentration graph, find 'K' factor store users information and recall whenever required



SPECIFICATIONS

- Single Beam Mirror Optics
- Operation: One Button Operation Feather Touch
- Range: 190 nm to 1100 nm scanning
- Digital readout of %T, O.D. Conc. and wavelength, red & green display
- Source: Halogen & D2 lamp
- Cut off filter IR
- Resolution: 0.1% in %T, 0.001 in O.D., 1 in 999 for Conc. in PC mode
- Spectral bandwidth 1 nm
- Wave length accuracy: ± 1 nm
- Wave length stability: ± 1 nm
- Reading stability: ± 2 digit
- Technology: Quantum Zuerkst Certified
- 6 point concentration calibration
- Low volume sample: 1ml.
- Software included EZ CRUZ - 16 SP
- Auto scan, find λ max., Conc. graph, K-factor, Users info can be re called
- CAN BE USED WITH OR WITHOUT PC
- Power: 230V AC, 50Hz, 100VA
- Weight: 15 Kg.
- Dimension: 230mm (H) x 525mm (W) x 555mm (L)
- Sleek, corrosion proof fiber body
- Feather touch controls
- IQ, OQ, PQ and 21 CFR as per FDA compliance
- Cuvette: 2 Nos Quartz APH Jacketed EQ APHQ
- Panel: Well laid out panel with notes & instructions

For protection against power fluctuation, servo stabilizer EQ 590 is recommended

UV-VISIBLE SPECTROPHOTOMETER

MODEL EQ-825D

Single BEAM; Region. 190 nm to 1100 nm;
MICRO PROCESSOR BASED

Useful for U.G & P.G., Research

WELL LAID OUT PANEL WITH NOTES & INSTRUCTIONS

Quartz Cuvette
APH Jacketed



One Button
Operation



SPECIFICATIONS

- One Button Reading, Insert Blank, Sample & Read
- Single Beam Mirror Optics
- Operation: One Button Operation Feather Touch
- Range: 190 nm to 1100 nm
- Digital readout of O.D., %T, wavelength & Conc. Red & Green Display
- Source: Halogen & D2 Lamp
- Cut off filter IR internal
- Resolution: 0.1% in %T, 0.001 in O.D., 1 in 999 for Conc.
- Spectral bandwidth 1 nm
- Wave length accuracy: ± 1 nm
- Wave length stability: ± 1 nm
- Reading stability: ± 2 digit
- O.D : 0 - 1.999
- %T : 0-100.0
- Conc. : 0-999
- Technology: Quantum Zuerkst Certified
- 2 point concentration calibration
- Low volume sample: 1ml.
- Power: 230V AC, 50Hz, 100VA
- Weight: 14 Kg.
- Dimension: 180mm (H) x 375mm (W) x 540mm (L)
- Sleek, corrosion proof fiber body
- Feather touch controls
- Cuvette: 2 Nos APH Jacketed Quartz EQ APHQ
- Panel: Well laid out panel with notes & instructions

For protection against power fluctuation, servo stabilizer EQ 590 is recommended

UV- VIS SPECTROPHOTOMETER

MODEL EQ-825

Single BEAM; UV-Vis Region 190 nm to 1100 nm;
MICRO PROCESSOR BASED

Useful for U.G. P.G. Industry, Research, Biotech

Quartz Cuvette
APH Jacketed



FEATURES

- Digital readout of %T, O.D. Conc. red & green display
- Digital readout of wave length
- Source : Halogen & D2 lamp
- Cut off filter IR
- Resolution : 0.1% in %T & 0.01 in O.D., 1 in 999 for Conc.
- Spectral bandwidth 1 nm
- Wave length resolution : 1 nm
- Wave length accuracy : ± 1 nm
- Wave length stability : ± 1 nm
- **Technology: Quantum Zuerkst Certified**
- **IQ, OQ, PQ (at extra cost)**
- **2 point concentration calibration**
- Reading stability : ± 2 digit
- 2 position cuvette holder : Blank & Sample
- Power: 230V AC, 50Hz, 100VA
- Single beam mirror optics
- **2Nos APH Jacketed, Quartz**
Low Volume: 10 MM path length EQ-APHQ
- Weight : 14 Kg.
- Dimension : 180mm (H) x 375mm (W) x 540mm (L)
- Sleek, corrosion proof fiber body

MODEL EQ-820/ 820A/820B

Single BEAM; Vis Region. 350 nm to 1100 nm;
MICRO PROCESSOR BASED

Useful for U.G., P.G

Optiglass Cuvette
APH Jacketed



FEATURES

- Digital readout of O.D., %T & Conc. red & green display
- Digital readout of wave length
- Source : Halogen
- Range 350 - 1100 nm
- Cut off filter for IR
- Resolution : 1% in %T & .01 in O.D. & 1 in 99 for Conc.
- Spectral bandwidth : 1 nm
- Wave length resolution : 1 nm
- Wave length accuracy : ± 1 nm
- **2Nos APH Jacketed, Low Volume opti glass, 1ml**
- **Technology: Quantum Zuerkst Certified**
- Stability : ± 1 digit for reading & ± 1 nm for wave length
- Power: 230V AC, 50Hz, 100VA
- 2 position cuvette holder : Blank & Sample
- Single beam achromatic optics
- Low volume sample : 1 ml.
- Weight : 5.5 Kg.
- Dimension : 130 mm (H) x 300 mm (W) x 500 mm (L)
- Sleek, Corrosion proof fiber body

For protection against power fluctuation, servo stabilizer EQ 590 is recommended

EQ 820A has additional feature of Temp. Control Head for Kinetic Experiment

EQ 820B has additional feature of 8 Cuvette Holder - 1 blank & 7 samples

VISIBLE SPECTROPHOTOMETER

MODEL EQ-823

Single BEAM; Vis Region 350 nm to 1100 nm;
MICRO PROCESSOR BASED with 50 mm and 10 mm
cuvette provision

Useful for Drinking Water Industry & effluent plants

with 10mm Optiglass &
50mm Optiglass Cuvette



FEATURES

- Digital readout of %T, O.D. Conc. red & green display
- Digital readout of wave length
- Source : Halogen Tungsten
- Cut off filter IR
- Resolution: 0.1% in %T, 0.001 in O.D. & 1 in 999 for Conc.
- Spectral bandwidth 1 nm
- Wave length resolution : 1 nm
- Wave length accuracy : ± 1 nm
- Provision for 50 mm & 10 mm cuvette
- Power: 230V AC, 50Hz, 100VA
- Wave length stability : ± 1 nm
- Reading stability : ± 1 digit
- Provision for 50 mm cuvette & 10 mm sq. cuvette
- Single beam achromatic optics
- Weight : 6 Kg.
- Dimension : 130mm (H) x 300mm (W) x 500mm (L)
- Sleek, corrosion proof fiber body
- Technology: Quantum Zuerkst Certified

MODEL EQ-821

Single BEAM; Vis Region. 400 nm to 700 nm;
SINGLE CUVETTE (Replacement for Colorimeter)

Useful for Undergraduate Students

One Button
Operation



FEATURES

- Digital readout of O.D. %T,
- Digital readout of wave length
- Range 400 - 700 nm
- Resolution : 1% in %T & .01 in O.D.
- Spectral bandwidth : 1 nm
- Wave length resolution : 1 nm
- Wave length selection : Manual
- Power: 230V AC, 50Hz, 50VA
- Light Source : Solid State Doped for Vis. Light
- Single round cuvette
- Weight: 2 Kg.
- Dimension: 160 mm (H) x 315 mm (W) x 365 mm (L)
- Sleek, Corrosion proof fiber body
- Technology: Quantum Zuerkst Certified

For protection against power fluctuation, servo stabilizer EQ 590 is recommended

VISIBLE SPECTROPHOTOMETER

MODEL EQ-820D

Single BEAM; Vis Region. 350 nm to 1100 nm;
MICRO PROCESSOR BASED

Useful for U.G & P.G., Research

WELL LAID OUT PANEL WITH NOTES & INSTRUCTIONS

Optiglass Cuvette
APH Jacketed

One Button
Operation



SPECIFICATIONS

- One Button Reading, Insert Blank, Sample & Read
- Single Beam Mirror Optics
- Operation: One Button Operation Feather Touch
- Range: 350 nm to 1100 nm
- Digital readout of %T, O.D. Conc. and wavelength, red & green display
- Source: Halogen
- Cut off filter IR internal
- Resolution: 0.1% in %T, 0.001 in O.D., 1 in 999 for Conc.
- Spectral bandwidth 1 nm
- Wave length accuracy: ± 1 nm
- Wave length stability: ± 1 nm
- Reading stability: ± 2 digit
- O.D : 0 - 1.999
- %T : 0-100.0
- Conc. : 0-999
- Technology: Quantum Zuerkst Certified
- 2 point concentration calibration
- Low volume sample: 1ml.
- Power: 230V AC, 50Hz, 100VA
- Weight: 15 Kg.
- Dimension: 130mm (H) x 300mm (W) x 500mm (L)
- Sleek, corrosion proof fiber body
- Feather touch controls
- Cuvette: 2 Nos APH Jacketed Optiglass EQ APHG
- Panel: Well laid out panel with notes & instructions

For protection against power fluctuation, servo stabilizer EQ 590 is recommended

VIS SCANNING SPECTROPHOTOMETER

MODEL EQ-822A

Single BEAM with Auto Scanning; Vis Region. 350 nm to 1100 nm; (Reads Conc. Directly) MICRO PROCESSOR BASED with EZ CRUZ - 16 SP software

Useful for U.G., P.G., Research and Industry

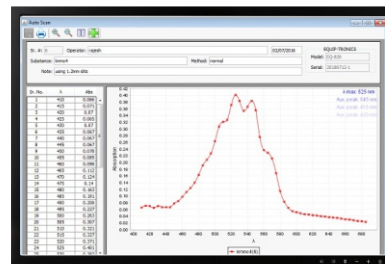
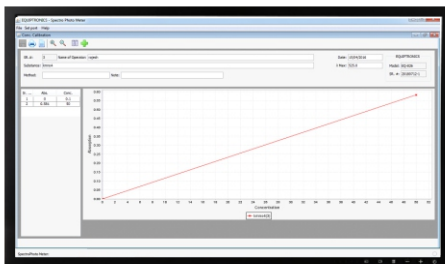
Optiglass Cuvette
APH Jacketed

One Button
Operation



WELL LAID OUT PANEL WITH NOTES & INSTRUCTIONS

Now with the help of PC you can use auto scan, find λ max., plot concentration graph, find 'K' factor, store users information and recall whenever required



FEATURES

- **One Button Operation**
- Range: 350 nm to 1100 nm
- Digital readout of %T, O.D. Conc.
- Digital readout of wave length, red & green display
- Source : Halogen
- Cut off filter IR
- Resolution: 0.1% in %T, 0.001 in O.D. & 1 in 999 for Conc.
- Spectral bandwidth 1 nm
- Wave length resolution : 1 nm
- Wave length accuracy : ± 1 nm
- **6 pt concentration calibration**
- **Software EZ CRUZ - 16 SP included**
- **Technology: Quantum Zuerkst Certified**
- O.D : 0 - 1.999
- %T : 0-100.0
- Conc. : 0-999
- Wave length selection : Manual or Auto Scan
- **CAN BE USED WITH OR WITHOUT PC**
- **Cuvette: 2Nos optiglass APH Jacketed low volume**
- **Power: 230V AC, 50Hz, 100VA**
- **Wave length stability : ± 1 nm**
- **Reading stability : ± 1 digit**
- **Single beam achromatic optics**
- **Weight : 6 Kg.**
- **Dimension : 130mm (H) x 300mm (W) x 500mm (L)**
- **Sleek, corrosion proof fiber body**
- **IQ, OQ, PQ and 21 CFR as per FDA compliance (at extra cost)**
- **Well laidout panel with notes & instructions**

For protection against power fluctuation, servo stabilizer EQ 590 is recommended

SPECTROPHOTOMETER SOFTWARE

EZ CRUZ - 16 SP

21 CFR Compliant

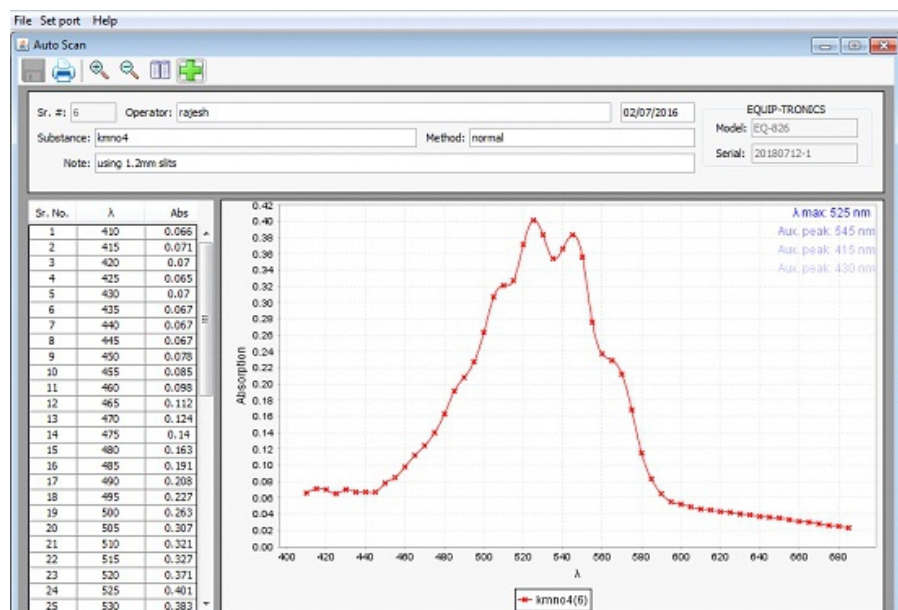
Pharma, Industry, Water testing

FEATURES

- The EZCRUZ software
- Stores data such as name of user, time, experimental method, etc.
- Tabulates the data and plots graphs automatically.
- Scans and detects λ_{\max} peaks.
- Combines two or more graphs on a page for comparative study.
- Performs mathematical operations i.e. Summation and subtraction of two graphs.
- Plots graph of o.d. Vs time (useful for kinematics).
- Plots graph of Conc v/s OD for estimation
- 21 CFR Compliant



5 graph on single page for comparative study



Auto scan for λ_{\max}

This software is included in model No EQ 826 PC, EQ 826, EQ 825A, EQ 822A

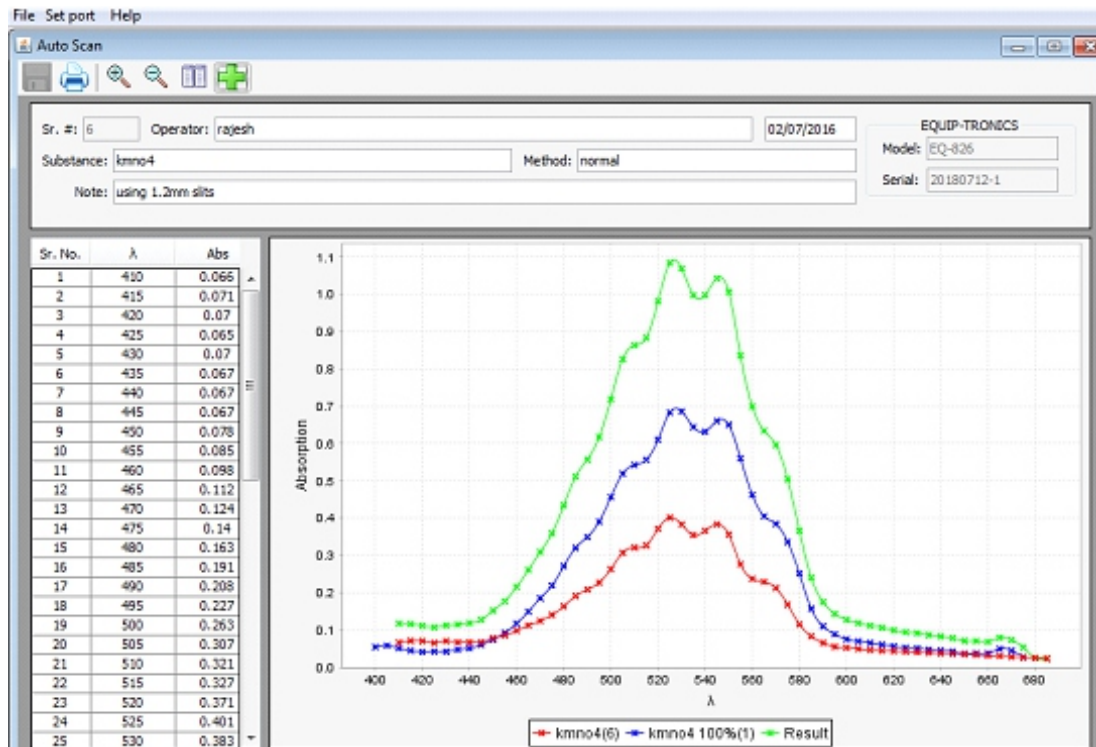
SPECTROPHOTOMETER SOFTWARE

EZ CRUZ - 16 SP

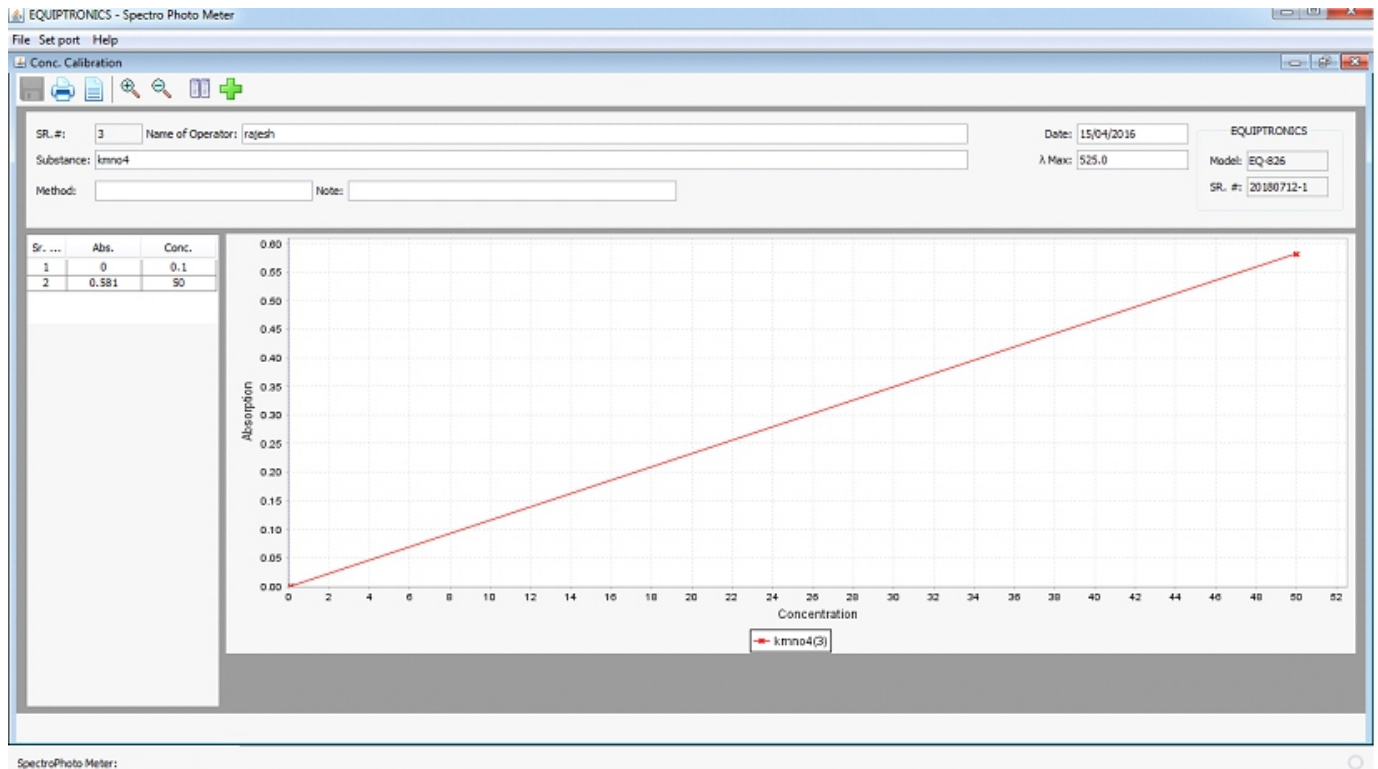
21 CFR Compliant

Pharma, Industry, Water testing

Summation and Subtraction of 2 graphs



Summation of 2 graphs (Red + Blue = Green)



Graph of OD vs Time for kinematics

DIGITAL POLARIMETER

**MODEL EQ-802
EQ-805**

Fully automatic $\pm 120^\circ$ rotation microprocessor based using μ -degree capturing process, can read in Z° or Degrees, with inbuilt lamp

Useful for pharma industry, research institutes, sugar industry, etc.

The ultimate polarimeter which supercedes all the models and all the brands Auto Pol EQ 802 is technological marvel, which gives readings at the **press of a button** - **no personal judgement, no dark-room, no half-shadow, no rotation of wheel**. The working is so simple that you will wonder how did you manage all these years without it.

Model EQ 805 is PC compatible & advanced version of EQ 802. The EZ CRUZ - 16 POL PC software can calculate specific rotation, concentration, international sugar scale, can store all the details such as name of operator, substance, method, can plot the graph, etc.

**One Button
Operation**



WELL LAID OUT PANEL WITH NOTES & INSTRUCTIONS

FEATURES	EQ 802	EQ 805
READOUT	5 digit LED display for measurement	5 digit LED display for measurement
ANGLE OF ROTATION	$\pm 120^\circ$ (- for levo, + for dextro)	$\pm 120^\circ$ (- for levo, + for dextro)
RESOLUTION	.01°	.01°
ACCURACY	.05°	.05°
PC SOFTWARE	-	EZCRUZ - 16 POL
21CFR	-	Provided
IQ, OQ, PQ	Optional	Provided
CALIBRATION	Factory calibrated with degree Or international sugar scale as Per users choice using shimzadu standard	Factory calibrated with degree Or international sugar scale as Per users choice using shimzadu standard
LIGHT DETECTION	Electronic sensor	Electronic sensor
POWER	230V AC $\pm 10\%$ @ 50 Hz 7VA	230V AC $\pm 10\%$ @ 50 Hz 7VA
WEIGHT	4 kg approx	7 kg approx
SIZE	180mm (H) x 325mm (D) x 485mm (L)	180mm (H) x 325mm (D) x 485mm (L)
SAMPLE TUBE	Pvc tube of 10cm and 20cm For water based solution	Glass teflon tube of 20cm For organic solution
ACCESSORIES	Dustproof cover, Screwdriver	Dustproof cover, Screwdriver
TECHNOLOGY	Quantum Zuerkst Certified	Quantum Zuerkst Certified

For protection against power fluctuation, servo stabilizer EQ 590 is recommended

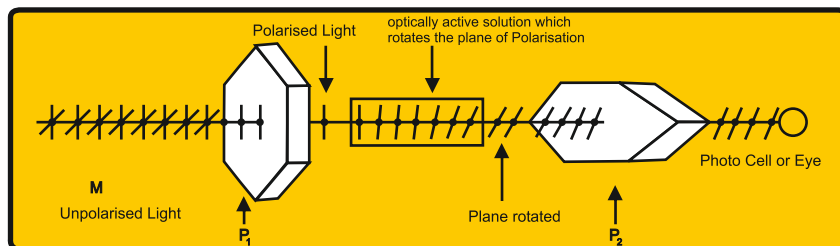
Calibration standards available at extra cost

DIGITAL POLARIMETER

MODEL EQ-801

Digital Polarimeter $\pm 200^\circ$ - levo & dextro digital readout

Useful for undergraduate & colleges



Get superb accuracy with Pointer and Lens. No need of dark room & sodium lamp. No need of zero, load the sample & read
Can be calibrated with degree scale or international sugar scale



- Readout** : 3½ digit LED display for degrees measurement
- Detection of angle of rotation** : $\pm 200^\circ$ (- for levo and + for dextro)
- Resolution** : 0.1°
- Accuracy** : $\pm 0.1^\circ$
- Calibration** : Factory calibrated with Shinzadu standard
- Detection of light** : Electronic sensor and meter which leads to repeatability of 0.1 degree
- Power required** : 230 V AC $\pm 10\%$ 50 Hz, 7 VA
- Weight** : 4 Kg (approx.)
- Body** : ABS
- Dimension** : 180 mm (H) x 325 mm (D) x 485 mm (L)
- Sample tube** : PVC Material 10 cm & 20 cm, for water based solution
Teflon Tube also available for organic solution (at extra cost)
- Accessories** : Screwdriver and Dust proof cover
- Technology** : **Quantum Zuerkst Certified**

The circuit is designed to match the sodium wave length. The intensity is measured on photo cell & meter

For protection against power fluctuation, servo stabilizer EQ 590 is recommended

DIGITAL FLAME PHOTOMETER

MODEL EQ-850A

Single channel, Separate filters, low ppm detection, low sample volume with LPG use

Useful for under graduate, college, industry, soil testing, mining etc.



FEATURES

- Single channel. Epoxy burner with S.S. Top. Uniform mixing of gases leads to stable flame. Narrow bandpass filters achieves accurate results. Small quantity of sample required.
- Useful in analysis of Na, K, Ca, Li and many more elements in Soil, Food & Agriculture, Pathology, Mining, Metallurgy, Pollution Control, Ceramic & Glass industry.
- Very fine control using off-center valve - using German technology

• Readout	4 digit LED display
• Sensitivity	Na 2 ppm K 1 ppm Ca 2 ppm Li 3 ppm
• Stability	± 3 Last digits
• Resolution	± 0.1 PPM
• Detector	Photo Cell
• Compressor	Inbuilt Compressor with meter & valve
• Flame System	S.S. burner, with LPG and dry oil free air. The fine control is achieved by off-center valves using german technology
• Air Filter	Storage Tank of 800 CC
• Power required	230 V ± 5%
• Weight	4 Kgs. (approx.)
• Body	M.S. Powder Coated
• Dimension	270 mm(H) x 310 mm(D) x 350 mm(L)
• Filters	Na & K provided. other filters Ca, Li, Mg, Sr, Ba and many more all sharp 5nm band width available at extra cost
• Sample Qty	10 ml for stable flame
• Aspiration Rate	10 ml per minute
• Technology	Quantum Zuerkst Certified

DIGITAL FLAME PHOTOMETER

MODEL EQ-855A

Dual channel, Separate filters, low ppm detection, low sample volume with LPG use. Can read ppm or mMol/Lit
Useful in analysis of Na, K, Ca, Li and many more elements in Soil, Agriculture, Pathology, Mining, Metallurgy, Pollution Control, Ceramic & Glass industry.



FEATURES

- Dual channel. Epoxy burner with S.S. Top. Uniform mixing of gases leads to stable flame. Narrow bandpass filters achieves accurate results. Small quantity of sample required.
- EQ 855A is dual channel to read 2 elements simultaneously. Useful where large samples are to be measured simultaneously
- Very fine control using off centre value by use of German technology
- Auto Ignition

• Readout	4 digit LED display (Dual Channel)
• Sensitivity	Na 2 ppm K 1 ppm Ca 2 ppm Li 3 ppm
• Stability	± 3 Last digit
• Resolution	.1 ppm / .1 mMol/Lit
• Detector	Photo Cell
• Calibration	The machine can be calibrated in ppm or mMol/Lit for Pathology
• Compressor	Supplied in separate box with meter & valve
• Flame System	S.S. burner, with LPG and dry oil free air. The fine control is achieved by offcentre valves using German technology
• Air Filter	Storage Tank of 800 CC
• Power required	230 V ± 5%
• Weight	6 Kgs. (approx.)
• Body	MS Powder coated
• Dimension	270 mm(H) x 310 mm(D) x 350 mm(L)
• Filters	Na & K provided. other filters Ca, Li, Mg, Sr, Ba and many more all sharp 5nm band width available at extra cost
• Sample Qty	10 ml for stable reading
• Aspiration Rate	10 ml / min
• Technology	Quantum Zuerkst Certified

DIGITAL PHOTO FLORIMETER

MODEL EQ-870

2 excitation wave length (UV) & 3 emission (vis) filters
0.1 ppm sensitivity

Useful for Pharmacy, Industry & Colleges

- Readout** : 3 digit LED display.
Range : 0-100% in mode
Accuracy : $\pm 1\%$
Power required : 230 V AC $\pm 10\%$ 50 Hz, 5 VA
Full scale detection : Full scale sensitivity with
0.1 ppm Quinine Sulphate
Minimum sample : 4mL
Weight : 3.5 kg (approx)
Filter : Primary - 360 nm and 440 nm
Secondary - 485 nm, 550 nm and 650 nm
Size : 303 mm(L) x 144 mm(H) x 251 mm(W)
Weight : 3.2 kg **Body** : ABS
Cuvette : Quartz round cuvette
Technology : Quantum Zuerkst Certified



DIGITAL THERMOMETER (BECKMAN SUBSTITUTE)

MODEL EQ-550

-40°C to +150°C Thermometer with unbreakable Teflon probe

Useful for Freezing, Melting, Boiling Point (ideal for use with Landberger's Apparatus), U.G., Research, Pharma, Industry

WELL LAID OUT PANEL WITH NOTES & INSTRUCTIONS

- Readout** : 5 digit LED display
Stability : Stable readings up to 2 decimal places
Accuracy : Very accurate ± 0.01 degree celsius
Ranges : From +150°C TO - 40°C.
Temp probe : Non-corrosive teflon temperature probe with shielded silicon teflon wire and nickel plated shell connector
Body : Shock Proof, light weight abs body
Power : Works on mains.(230v ac)
Weight : 1.5 kg
Dimensions : 90 mm (H) x 225 mm (D) x 220 mm (L)
Technology : Quantum Zuerkst Certified

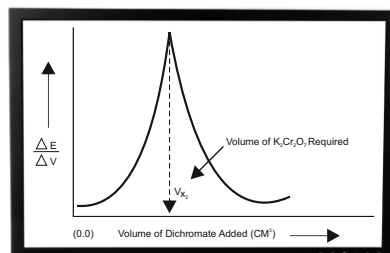
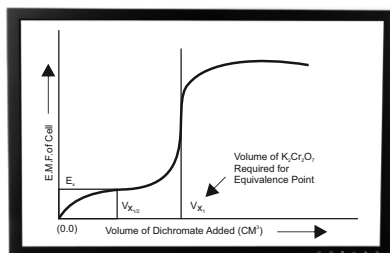


DIGITAL pH METER - 3 Point Calibration

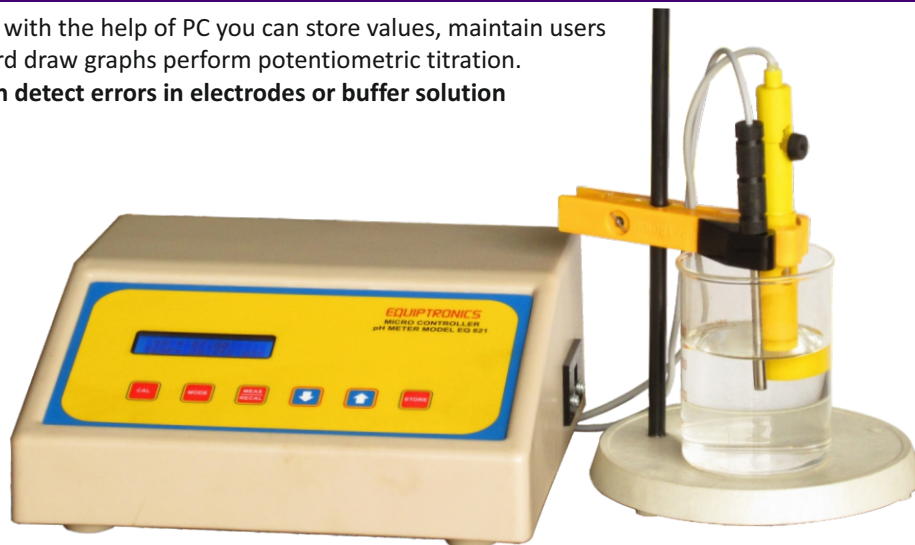
MODEL EQ-621

Microcontroller based pH Meter, PC compatible

Useful for Pharma, Research, Industry & Post Graduates



Now with the help of PC you can store values, maintain users record draw graphs perform potentiometric titration. It can detect errors in electrodes or buffer solution



FEATURES

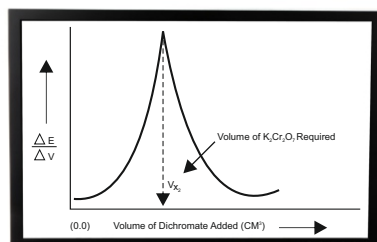
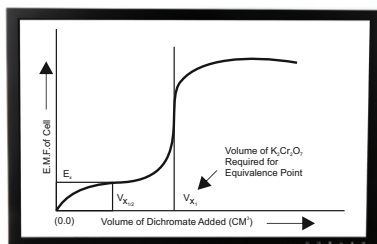
Calibration	3 point
Software	PC compatible software EZCRUZ-16pH included
Operating modes of software	Measurement mode Titration mode
IQ, OQ, PQ	Optional
Readout	LCD screen, 2 Line display, 16 characters
Range	pH: 0 to 14.00 mV: 0 to ± 1.999V for ORP measurement
Accuracy	pH: ± 0.01 mV: ± 1 Temp.: 0.1°C.
Temp. comp.	0 to 100°C, both ATC & MTC
Temp reading	0°C to 130°C
Power required	230 V AC ± 10% 50 Hz, 4 VA
Warming time	5 minutes
Control	Feather touch
Storage	1) Earlier calibration is stored even if instrument is switched OFF. 2) Can store 100 pH values at 100 locations (0 to 99) & 1000 in PC
Weight	1 Kg (approx.)
Body	ABS Plastic
Dimensions	90 mm (H) x 220 mm (W) x 225 mm (L)
Electronic buffer	Equivalent signal output of ideal electrode in solution of 9.20, 7.00, 4.00 pH. Useful for self diagnostic.
Electrode	1) EQ-700 Unbreakable Glass + Reference Combined Electrode Gold Plated Pin & Connector 2) EQ-702 Unbreakable Stainless Steel Temperature Probe with Silicone Teflon Wire
Accessories	Stand set, Patch cord for Electronic buffer, Buffer tablets for 9.20, 7.00, 4.00 pH and Dust proof cover
Technology	Quantum Zuerkst Certified

DIGITAL pH METER - 5 Point Calibration

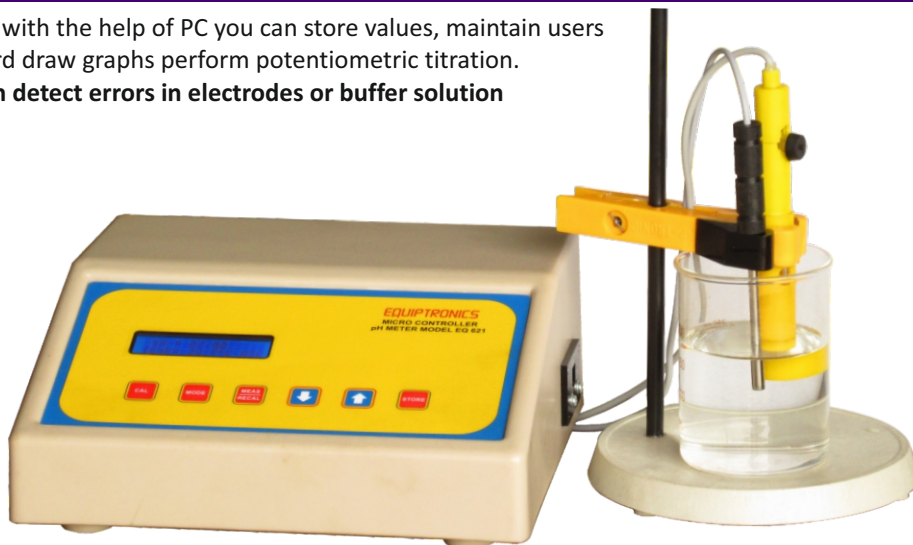
MODEL EQ-622

Microcontroller based pH Meter, PC compatible

Useful for Pharma, Research, Industry & Post Graduates



Now with the help of PC you can store values, maintain users record draw graphs perform potentiometric titration. It can detect errors in electrodes or buffer solution



FEATURES

Calibration	5 point
Software	PC compatible 21CFR compliant software EZCRUZ-16pH included
	Admin and user system with individual passwords for admin and each of the users
Operating modes of software	1. Titration mode. 2. Batch measurement mode with automatic saving of data. 3. Continuous pH monitoring mode
IQ, OQ, PQ	Provided
Readout	LCD screen, 2 Line display, 16 characters
Range	pH: 0 to 14.00 mV: 0 to $\pm 1.999V$ for ORP measurement
Accuracy	pH: ± 0.01 mV: ± 1 Temp.: $0.1^\circ C$.
Temp. comp.	0 to $100^\circ C$, both ATC & MTC
Temp reading	$0^\circ C$ to $130^\circ C$
Power required	230 V AC $\pm 10\%$ 50 Hz, 4 VA
Warming time	5 minutes
Control	Feather touch
Storage	1) Earlier calibration is stored even if instrument is switched OFF. 2) Can store 100 pH values at 100 locations (0 to 99) & 1000 in PC
Weight	1 Kg (approx.)
Body	ABS Plastic
Dimensions	90 mm (H) x 220 mm (W) x 225 mm (L)
Electronic buffer	Equivalent signal output of ideal electrode in solution of 9.20, 7.00, 4.00 pH. Useful for self diagnostic.
Electrode	1) EQ-700 Unbreakable Glass + Reference Combined Electrode Gold Plated Pin & Connector 2) EQ-702 Unbreakable Stainless Steel Temperature Probe with Silicone Teflon Wire
Accessories	Stand set, Patch cord for Electronic buffer, Buffer tablets for 9.20, 7.00, 4.00 pH and Dust proof cover
Technology	Quantum Zuerkst Certified

DIGITAL pH METER

MODEL EQ-610A

pH Meter With Built-in Electronic Buffer Unbreakable Electrode, with stirrer

Useful for P.G. U.G., Research, Titration

WELL LAID OUT PANEL WITH NOTES & INSTRUCTIONS

Dual Display Separate Display For Temperature
One Button Calibration Inbuilt Magnetic Stirrer

- Readout** : 4+2 digit LED display
- Range** : pH: 0 to 14.00
mV: 0 to ± 1.999
- Resolution** : pH: 0.01
mV: 1
- Accuracy** : pH: ± 0.02 pH ± 2 least count
mV: $\pm 0.2\%$ ± 1 least count
- Temp. comp.** : 0 to 100°C
- Stirrer speed** : 500 RPM fixed.
- Power required** : 230 V AC $\pm 10\%$ 50 Hz, 4 VA
- Warming Period** : 5 minutes
- Weight** : 1 Kg (approx.)
- Body** : ABS
- Dimension** : 90 mm (H) x 225 mm (W) x 220 mm (L)
- Electronic buffer** : Equivalent signal output of ideal electrode in solution of 9.20, 7.00, 4.00 pH.
Useful for self diagnosis.
- Electrode** : EQ-700 Unbreakable APH Sleeved Glass + Reference Combined Electrode,
Nano Technology Glass
- Accessories** : Stand set, Electrode Clamp, Rod, Patch cord for Electronic buffer, Teflon magnet, Buffer tablets for 9.20, 7.00, 4.00 pH, Dust proof cover
- Technology** : Quantum Zuerkst Certified

One Button Operation



MODEL EQ-610

pH meter with built-in electronic buffer unbreakable electrode

Useful for U.G., Colleges, Industry

- Readout** : 4 digit LED display
- Range** : pH: 0 to 14.00 mV: 0 to ± 1.999
- Resolution** : pH: 0.01 mV: 1
- Accuracy** : pH: ± 0.02 pH ± 2 least count
mV: $\pm 0.2\%$ ± 1 least count
- Temp. comp.** : 0 to 100°C
- Power required** : 230 V AC $\pm 10\%$ 50 Hz, 4 VA
- Warming Period** : 5 minutes
- Weight** : 1 Kg (approx.) **Body** : ABS
- Dimension** : 80 mm (H) x 235 mm (W) x 155 mm (L)
- Electronic buffer** : Equivalent signal output of ideal electrode in solution of 9.20, 7.00, 4.00 pH.
Useful for self diagnostic.
- Electrode** : EQ-700 Unbreakable APH Sleeved Glass + Reference Combined Electrode
Nano Technology Glass
- Accessories** : Stand set, Patch cord for Electronic buffer, Buffer tablets for 9.20, 7.00, 4.00 pH, Screwdriver and Dust proof cover
- Technology** : Quantum Zuerkst Certified



DIGITAL pH METER

MODEL EQ-615

pH Meter with Battery Backup with built-in Electronic Buffer

Useful for areas where there are frequent power failure

- Readout** : 4 digit LCD display
- Range** : pH: 0 to 14.00
mV: 0 to ± 1.999
- Resolution** : pH: 0.01
mV: 1
- Accuracy** : pH: ± 0.02 pH ± 2 least count
mV: $\pm 0.2\%$ ± 1 least count
- Temp. comp.** : 0 to 100°C
- Power required** : 230 V AC $\pm 10\%$ 50 Hz,
4 VA or 9 V battery
- Warming time** : 5 minutes
- Weight** : 1 Kg (approx.)
- Body** : ABS
- Dimension** : 80 mm (H) x 235 mm (W) x 155 mm (L)
- Electronic buffer** : Equivalent signal output of ideal electrode in solution of 9.20, 7.00, 4.00 pH.
Useful for self diagnostic.
- Electrode** : EQ-700 Unbreakable APH Sleeved Glass + Reference Combined Electrode
Nano Technology Glass
- Accessories** : Stand set, Patch cord for Electronic buffer, Buffer tablets for 9.20, 7.00, 4.00 pH, Screwdriver and Dust proof cover
- Technology** : Quantum Zuerkst Certified



MODEL EQ-612

POCKET pH METER (useful for field work) 0-14 pH Battery operated

Useful for Printing, Water analysis, Plant Agriculture

- Readout** : 4 digits LCD display
- Range** : pH: 0 to 14.00
- Resolution** : pH: 0.01
- Accuracy** : pH: ± 0.02 pH ± 2 least count
- Temp. comp.** : 0 to 100°C.
- Power required** : 9 V battery
- Weight** : 200 gms. (approx.)
- Dimension** : 40 mm (H) x 75 mm (W) x 140 mm (L)
- Electrode** : EQ-700 Unbreakable APH Sleeved Glass +
Reference Combined Electrode Nano Technology Glass
- Accessories** : Buffer tablets for 9.20, 7.00, 4.00 pH, Screwdriver and Carry case



DIGITAL pH METER

MODEL EQ-614A

pH Meter with inbuilt Magnetic Stirrer & Electronic Buffer

Useful for P.G. U.G., Research, Titration

- Readout** : 4 digit LED display
- Range** : pH: 0 to 14.00 mV: 0 to ± 1.999
- Resolution** : pH: 0.01 mV: 1
- Accuracy** : pH: ± 0.02 pH ± 1 least count
mV: $\pm 0.2\%$ ± 1 least count
- Temp. comp.** : 0 to 100°C
- Power required** : 230 V AC $\pm 10\%$ 50 Hz, 4 VA
- Warming time** : 5 minutes
- Weight** : 1 Kg (approx.) **Body** : ABS
- Dimension** : 90 mm (H) x 225 mm (W) x 220 mm (L)
- Electronic buffer** : Equivalent signal output of ideal electrode in solution of 9.20, 7.00, 4.00 pH. Useful for self diagnostic.
- Electrode** : EQ-700 Unbreakable APH Sleeved Glass + Reference Combined Electrode
Nano Technology Glass
- Stirrer speed** : 500 RPM fixed.
- Accessories** : Stand set, Electrode Clamp, Rod, Patch cord for Electronic buffer, Teflon magnet, Buffer tablets for 9.20, 7.00, 4.00 pH, Screwdriver and Dust proof cover
- Technology** : **Quantum Zuerkst Certified**



MODEL EQ-611

pH meter cum thermometer with built-in electronic buffer

Useful for P.G. U.G., Research, Titration

- Readout** : 4 digit LED display
- Function** : pH, mV and temp.
- Range** : pH : 0 to 14.00 mV : 0 to ± 1.999 Temp.: 0 - 100°C
- Resolution** : pH: 0.01 mV : 1 Temp. : 0.1°C
- Accuracy** : pH: ± 0.02 pH mV : $\pm 0.2\%$ Temp. : $\pm 1\%$
- Temp. comp** : 0 to 100°C.
- Warming time** : 5 minutes
- Weight** : 1 Kg (approx.)
- Body** : ABS



- Dimension** : 80 mm (H) x 235 mm (W) x 155 mm (L)
- Electronic buffer** : Equivalent signal output of ideal electrode in solution of 9.2, 7.00, 4.00 pH. Useful for self diagnostic.
- Electrode** : EQ-700 Unbreakable APH Sleeved Glass + Reference Combined Electrode
Nano Technology Glass
EQ-702 Unbreakable Stainless Steel Temperature Probe with Silicone Teflon Wire
- Accessories** : Stand set, Patch cord for Electronic buffer, Buffer tablets for 9.20, 7.00, 4.00 pH, Screwdriver and Dust proof cover
- Power required** : 230 V AC $\pm 10\%$ 50 Hz, 5 VA
- Technology** : **Quantum Zuerkst Certified**

DIGITAL pH METER

MODEL EQ-632

Portable Battery Operated
pH • CONDUCTIVITY • THERMOMETER

Useful for field work, water testing, printing industry



Readout : 4 digit LCD display
Function : pH, conductivity and temp.
Power required : 9V rechargeable battery with charging adapter
Warming time : Instant
Weight : 800 gms. (approx.)
Body : ABS
Dimensions : 70 mm (H) x 160 mm (W) x 115 mm (L)
Accessories : Buffer tablets for 9.20, 7.00, 4.00 pH,
Screwdriver and Carry case

THERMOMETER
Range : 0 - 100°C
Resolution : 0.1°C
Accuracy : 0.5°C

pH METER

Range : 0 to 14.00 pH
Resolution : 0.01 pH
Accuracy : ± 0.02 pH ± 2 least count
Temp. comp. : 0 to 80°C ATC
Electrode : EQ-700 Unbreakable APH Sleeved Glass + Reference Combined Electrode **Nano Technology Glass**
EQ-702 Unbreakable Stainless Steel Temperature Probe with Silicone Teflon Wire

CONDUCTIVITY METER

Range : .001ms (1 μ S) to 200 ms in 3 ranges
Resolution : .001ms, .01ms, .1ms in resp. ranges
Accuracy : $\pm 2\%$ ± 2 last digit
Temp. comp. : 0 to 50°C ATC **Ref. temp.** : 25° C.
Electrode : EQ-708AT Unbreakable APH Sleeved Conductivity Cell (K=1) + Temperature Probe Combined
Technology : **Quantum Zuerkst Technology**

TRANS ILLUMINATOR

MODEL EQ-785

MODEL EQ-786

3 UV wavelength + day light Trans illuminator with inbuilt safety protection

Useful for Biotech, Electrophoresis, Pharma



- UV wavelength** : a) 254, 312, 365 nm uv
b) vis daylight
- View Size** : 1) EQ-786 200 mm x 200 mm
(2) EQ-785 150 mm x 150 mm
- Safety Protection** : 1) German uv protection filter on top cover
2) Safety switch to switch off uv if lid is open
3) Safety LED indicator to view
- Box** : Compact ABS box 30 cm x 20 cm x 14 cm
- Weight** : 1.5 Kg
- Power** : 230V AC 50 Hz 50 watts

High Power Single Wavelength also available

HF ELECTRO CLEANER

Useful for Conductivity and Potentiometer Electrodes

After some use metals and impurities gets deposited on platinum electrodes and platinum plates, this will lead to fluctuations and wrong readings.

HF Electro Cleaner is a device to clean the impurities by HF Current.

This HF Cleaner is Latest innovation and will be added gradually in all the models of conductivity meter and potentiometer.

The user has to Connect the electrode to this device and dip in the solution of .01N HNO₃, and rinse in running water.

DIGITAL CONDUCTIVITY METER (EC METER)

MODEL EQ-664A

AUTO RANGING CONDUCTIVITY METER with inbuilt magnetic stirrer & standard conductance (useful for titration) Selects the right working range

Useful for Under Graduate, Post Graduate, Industry, Titration etc.

SELECTS RANGE AUTOMATICALLY

Readout	: 4 digit LED display
Unit of meas.	: SIEMENS (MHO)
Range	: .01 μ S to 200 mS in six auto ranges
Six ranges	: 200 mS, 20mS, 2mS, 200 μ S, 20 μ S, 2 μ S
Accuracy	: $\pm 1\% \pm$ last 2 digits
Power required	: 230 V AC $\pm 10\%$, 50 Hz, 6 VA
Weight	: 1 Kg. (Approx.)
Body	: ABS
Warming period	: 5 minutes
Dimension	: 90 mm (H) x 225 mm (W) x 220 mm (L)
Standard cond.	: Conductance of 1.000 mS
Electrode	: EQ-708A Unbreakable APH Sleeved Conductivity Cell (K=1) Platinized Platinum
Stirrer speed	: 500 RPM Fixed
Accessories	: Teflon magnet, Electrode clamp, Rod, Screwdriver, and Dust proof cover
Technology	: Quantum Zuerkst Certified

Just dip in and read...



MODEL EQ-660B

Microprocessor based with built-in std. conductance & unbreakable stand

Useful for U.G., P.G., Research & Industry

Feather Touch range switch for easy selection

WELL LAID OUT PANEL WITH NOTES & INSTRUCTIONS

Readout	: 4 digit LED display
Unit of meas.	: MHO (SIEMENS)
Range	: .01 μ S to 200 mS in 6 ranges
Six ranges	: 200 mS, 20mS, 2 mS, 200 μ S, 20 μ S, 2 μ S Soft Touch
Accuracy	: $\pm 1\% \pm$ last 2 digits
Power required	: 230 V AC $\pm 10\%$, 50 Hz, 5 VA

Warming period	: 5 minutes
Weight	: 1Kg (approx.)
Body	: ABS
Dimension	: 80 mm (H) x 235 mm (W) x 155 mm (L)
Standard cond.	: Conductance of 1.000 mS
Electrode	: EQ-708A Unbreakable APH Sleeved, Platinized Platinum Conductivity Cell (K=1)
Accessories	: Stand set, Screwdriver and Dust proof cover
Technology	: Quantum Zuerkst Certified



DIGITAL CONDUCTIVITY METER (EC METER)

MODEL EQ-661

CONDUCTIVITY METER with auto temp. compensation cum thermometer

Useful for P.G., Industry, Research, Pharmacy

- Readout : 4 digit LED display
- Unit of meas. : a) Conductivity : MHO
b) Temp. : deg. Celcius (°C)
- Measurement range : 0.01 μ to 200m in 6 ranges
- Six ranges : 2 μ , 20 μ , 200 μ , 2 m,
20 m & 200m
- Accuracy : $\pm 1\% \pm$ last 2 digits
- Alpha (a) : 0 - 3
- Temp. comp : 0 to 60°C ATC
- Power required : 230 V AC $\pm 10\%$, 50 Hz, 7 VA
- Warming period : 5 minutes
- Weight : 1.2 Kg (approx.)
- Body : ABS
- Dimension : 95 mm (H) x 155mm (W) x 285 mm (L)
- Electrode : EQ-708AT Unbreakable APH Sleeved Conductivity Cell (K=1) Platinized Platinum
- Accessories : Stand set, Screwdriver and Dust proof cover
- Technology : Quantum Zuerkst Certified



MODEL EQ-667

AUTO RANGING CONDUCTIVITY METER with built-in standard conductance (selects right working range)

Useful for U.G. & P.G. Industry, Pharmacy

SELECTS RANGE AUTOMATICALLY

- Readout : 4 digit LED display
- Unit of meas. : SIEMENS (mho)
- Range : .01 μ S to 200 mS in six auto ranges
- Six ranges : 200 mS, 20mS, 2mS, 200 μ S, 20 μ S, 2 μ S
- Accuracy : $\pm 1\% \pm$ last 2 digits
- Power required : 230 V AC $\pm 10\%$, 50 Hz, 5 VA
- Weight : 1 Kg (approx.)
- Body : ABS
- Warming period : 5 minutes
- Dimension : 80 mm (H)
235 mm (W)
155 mm (L)
- Standard conductance : Conductance of 1 mS
- Electrode : EQ-708A Unbreakable APH Sleeved Conductivity Cell (K=1) Platinized Platinum
- Accessories : Stand set, Patch cord for Standard Conductance, Screwdriver and Dust proof cover
- Technology : Quantum Zuerkst Certified

Just dip in and read...



DIGITAL CONDUCTIVITY METER (EC METER)

MODEL EQ-662

**POCKET CONDUCTIVITY METER with unbreakable cell
battery operated**

**Useful for field work & Chemical Plant, Printing Industry,
Agriculture, Water Industry**

- Readout** : 4 digit LCD display
- Unit of meas.** : SIEMENS
- Range** : 1 μ S to 200 mS in three ranges
- Three ranges** : 2 mS (2000 μ S), 20 mS, 200 mS
selectable by switch
- Accuracy** : $\pm 1\% \pm$ last 2 digits
- Power required** : 9 V battery
- Weight** : 200 gms. (approx.)
- Dimension** : 40 mm (H) x 75 mm (W) x 140 mm (L)
- Electrode** : EQ-708A Unbreakable APH Sleeved Conductivity Cell (K=1) Platinized Platinum
- Accessories** : Screwdriver and Carry case
- Technology** : Quantum Zuerkst Certified



MODEL EQ-665

**CONDUCTIVITY METER with battery backup and built-in
standard conductance**

Useful for areas where there is power failure

Power Failure - No Problem

- Readout** : 4 digit LCD display
- Unit of meas.** : MHO
- Range** : .01 μ Ω to 200 mΩ in six ranges
- Six ranges** : 200 mΩ, 20 mΩ, 2 mΩ, 200 μ Ω, 20 μ Ω, 2 μ Ω
- Accuracy** : $\pm 1\% \pm$ last 2 digits
- Power required** : 230 V AC $\pm 10\%$, 50 Hz, 5 VA or 9 V battery
- Warming period** : Instant
- Weight** : 1 Kg. (approx.)
- Body** : ABS
- Dimension** : 80 mm (H) x 235 mm (W) x 155 mm (L)
- Standard cond.** : Conductance of 1.000 mΩ
- Electrode** : EQ-708A Unbreakable APH Sleeved Conductivity Cell (K=1) Platinized Platinum
- Accessories** : Stand set, Screwdriver and Dust proof cover
- Technology** : Quantum Zuerkst Certified



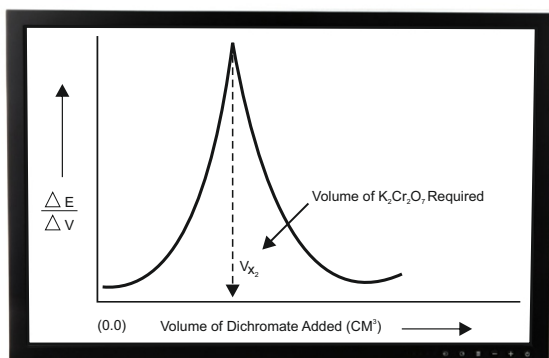
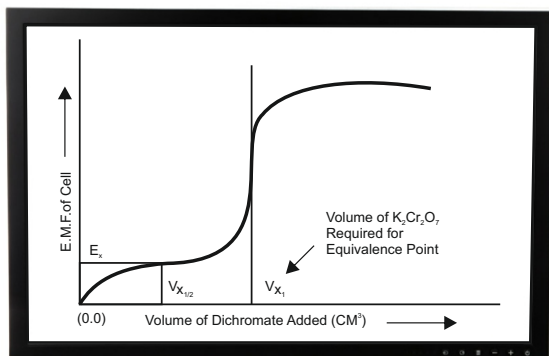
DIGITAL POTENTIO METER

MODEL EQ-607

**POTENTIOMETER with 0-1000 storage, PC Compatible
Battery Backup**

Titration, Colleges, Research, Industry, Pharma

On Pressing a button store the reading.
Recall whenever required.
Can also be used without PC



WELL LAID OUT PANEL WITH NOTES & INSTRUCTIONS

- Range** : ± 1.999 V
- Readout** : 4 digit LED display
- Storage** : 2 digit LED display, can store 0-100 values / 1000 in P.C.
- Accuracy** : .001 Volts
- Power required** : 230 V AC \pm 10% 50 Hz
- Warming period** : 5 minutes
- Weight** : 1 Kg (approx.)
- Body** : ABS
- Dimension** : 80 mm (H) x 235 mm (W) x 150 mm (L)
- Standard cell** : 1.018 V inbuilt
- Accessories** : Special Ref + Pt Electrode (EQ-703), Stand set & rod,
Nano Technology Glass
- Technology** : Quantum Zuerkst Certified

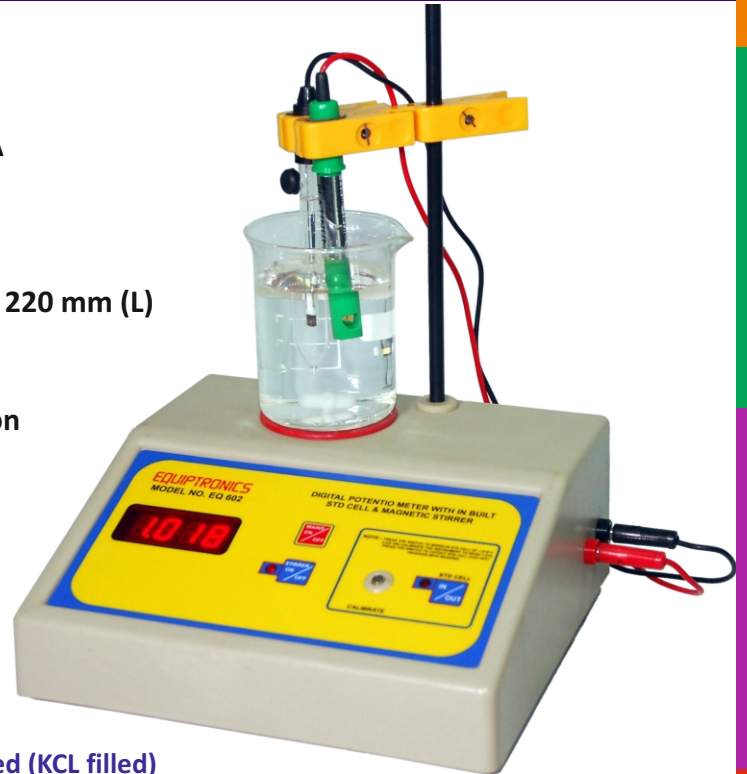
DIGITAL POTENTIO METER

MODEL EQ-602

POTENTIOMETER with built-in magnetic stirrer & standard cell One Button Calibration

U.G., P.G., Research

Range	: ± 1.999 V
Readout	: 4 digit LED display
Accuracy	: .001 Volts
Power required	: 230 V AC $\pm 10\%$, 50 Hz, 3VA
Warming period	: 5 minutes
Weight	: 1 Kg. (approx.)
Body	: ABS
Dimension	: 90 mm (H) x 225 mm (W) x 220 mm (L)
Standard cell	: 1.018V inbuilt
Stirrer speed	: 500 RPM fixed
Accessories	: Electrode clamp, Rod, Teflon magnet, Screwdriver & Dust proof cover



Recommended Electrodes (at extra cost)	: EQ-703 Pt + reference combined (KCL filled) : EQ-706 Platinised Platinum electrode (25MM ² platinum plate) : EQ-707 Ag/Al/Zn/Cu Metallic Electrodes : EQ-704 Calomel Electrode (Hg/HgCl KCL filled) : EQ-705 Reference Electrode (Ag/AgCl KCL filled)
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Technology : Quantum Zuerkst Certified

MODEL EQ-601

POTENTIOMETER with built-in standard cell, one button calibration

Under Graduates & Colleges

Range	: ± 1.999 V
Readout	: 4 digit LED display
Accuracy	: .001 Volts
Power required	: 230 V AC $\pm 10\%$ @50 Hz, 2 VA
Warming period	: 5 minutes
Weight	: 1 Kg. (approx.)
Body	: ABS
Dimension	: 80 mm (H) x 235 mm (W) x 155 mm (L)
Standard cell	: 1.018V inbuilt
Accessories	: Screwdriver & Dust proof cover



Recommended Electrodes (at extra cost)	: EQ-703 Pt + reference combined (KCL filled) : EQ-706 Platinised Platinum electrode (25MM ² platinum plate) : EQ-707 Ag/Al/Zn/Cu Metallic Electrodes : EQ-704 Calomel Electrode (Hg/HgCl KCL filled) : EQ-705 Reference Electrode (Ag/AgCl KCL filled)
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Technology : Quantum Zuerkst Certified

DIGITAL POTENTIO METER

MODEL EQ-609

POTENTIOMETER battery operated research model chargeable battery with charger inbuilt, Factory calibrated

Useful for U.G., Research, Industry, Pharma

Input Configuration : Bipolar
Full Scale Count : ± 1.9999 Volts
Accuracy : $\pm .0001$ Volts
Polarity : Automatic sign change
Stirrer : Inbuilt Magnetic Stirrer
Battery Use : Approx. 3 hours use on full charge
Charging Time : 4 hours to full charge
Weight : Approx. 1kg.
Power Input : 230V AC @50 Hz $\pm 10\%$
Body Material : Corrosion proof Abs body
Accessories : Electrode clamp, Rod, Teflon magnet & Dust proof cover



Recommended Electrodes (at extra cost) : EQ-703 Pt + reference combined (KCL filled)
: EQ-706 Platinised Platinum electrode (25MM² platinum plate)
: EQ-707 Ag/Al/Zn/Cu Metallic Electrodes
: EQ-704 Calomel Electrode (Hg/HgCl KCL filled)
: EQ-705 Reference Electrode (Ag/AgCl KCL filled)
Technology : Quantum Zuerkst Certified

MODEL EQ-603

POTENTIOMETER dual channel with built-in standard cell

U.G., colleges

Range : ± 1.999 V
Accuracy : .001 Volts
Readout : 4 digit LED display
Power required : 230V AC $\pm 10\%$ 50 Hz, 2 VA
Warming period : 5 minutes
Weight : 1 Kg. (approx.)
Body : ABS
Dimension : 80 mm (H) x 235 mm (W) x 155 mm (L)
Standard cell : 1.018V inbuilt
Accessories : Pair of Patch cord for Std. Cell, Screwdriver and Dust proof cover



Recommended Electrodes (at extra cost) : EQ-703 Pt + reference combined (KCL filled)
: EQ-706 Platinised Platinum electrode (25MM² platinum plate)
: EQ-707 Ag/Al/Zn/Cu Metallic Electrodes
: EQ-704 Calomel Electrode (Hg/HgCl KCL filled)
: EQ-705 Reference Electrode (Ag/AgCl KCL filled)
Technology : Quantum Zuerkst Certified

DIGITAL POTENTIO METER

MODEL EQ-606

Battery Cums Mains Operated $\pm 1.999V$, with std cell

Useful for areas where there is power failure, U.G., Colleges



- Range** : $\pm 1.999 V$
- Accuracy** : .001 Volts
- Readout** : 4 digit LCD display
- Power required** : 9V dry cell or 230V AC $\pm 10\%$ 50 Hz, 2 VA
- Warming period** : 5 minutes
- Weight** : 1 Kg. (approx.)
- Body** : ABS
- Dimension** : 80 mm (H) x 235 mm (W) x 155 mm (L)
- Standard cell** : 1.018V inbuilt
- Accessories** : Pair of Patch cord for Std. Cell, Screwdriver and Dust proof cover
- Recommended Electrodes** : EQ-703 Pt + reference combined (KCL filled)
- (at extra cost)** : EQ-706 Platinised Platinum electrode (25MM² platinum plate)
- : EQ-707 Ag/Al/Zn/Cu Metallic Electrodes
- : EQ-704 Calomel Electrode (Hg/HgCl KCL filled)
- : EQ-705 Reference Electrode (Ag/AgCl KCL filled)
- Technology** : Quantum Zuerkst Certified

ELECTRO GRAVIMETRIC APPARATUS

MODEL EQ-740

Useful for separation and determination of Metals by electro deposition

P.G., Research , Industry, Metallurgy, Mining etc.

FEATURES

- Operates on 230 V. AC 50 Hz 200 VA
- 0-15 V – 10 A HRSM Coloumb Potential
- Digital readout of EMF and charge flow
- Stirrer provided to maintain uniform strength
- Suitable Pt alloy electrode for quick depostion
- Size 400mm (L) x 280mm (H) x 370mm (D)
- Weight 6 kg
- ABS Body
- Very accurate setting of EMF.



DIGITAL COLORIMETER

To overcome defects in test tube cuvette, we have developed square cuvette made from Alpha poly-hydrocyanide material with following features.

- Low volume
- Can with stand any solvent, acid and base
- Unbreakable square cuvette 10 mm path length
- Optical glass window all the cuvettes are matched
- No rotation effect, fits in same position
- Same reading each time with all the cuvettes



MODEL EQ-652

One button press micro controller based colorimeter with Square cuvette

Useful for U.G., Research, Pathology

Obtain readings at the press of button, the analysis have never been so speedy.

We are sure, after using it, you will find all other models and all other brands to be out dated

Microcontroller based colorimeter for BSc., MSc. and pathological labs

Introduction : Pathocal 652 is micro controller based, digital colorimeter for pathological labs. There are no moving parts, all the operations are based on feather-touch switch. It reads '%T' mode or Absorption Mode (O.D.) The LED indicates which mode it reads in. **The calibration can be locked and unlocked**

The instruments is highly sensitive and employs C-MOS technology for accurate performance. It is designed for simple operations with durable functioning and permits speedy and accurate measurement in routine analysis.

There are 8 filters mounted on turret wheel.

More over it has in-built test tube stand. Zero adjustment is internally done by micro controller.

On-Board 4 Cuvette Holders provided

One Button Operation

- Readout** : 3 digit LED display
- Range** : 0 - 100% in Transmittance Mode and 0 - 1.99 in Absorption Mode (O.D.)
- Accuracy** : $\pm 1\%$ in %T & ± 0.01 in OD
- Power required** : 230 V AC $\pm 10\%$ 50 Hz, 4 VA
- Warming time** : 5 minutes
- Weight** : 1 Kg (approx.) **Body** : ABS
- Dimension** : 90 mm (H) x 225 mm (W) x 220 mm (L)
- Accessories** : 5 matched square APH cuvette and Dust proof cover
- Filters** : Turret mounted sharp filters (400, 420, 470, 500, 530, 620, 660, 700 nm)



DIGITAL COLORIMETER

With improved design you will find the same reading each time you insert the cuvette

Introduction :

The Photo-electric Colorimeters model EQ-650, EQ-650A, EQ-651A and EQ-653 are electronic controlled colorimeters. The instruments are highly sensitive and employs C-Mos technology for accurate performance. It is designed for simple operation with durable functioning and permits speedy and accurate measurement in routine analysis.

MODEL EQ-650

Separate Filters, Reads %T & OD, square cuvette

Useful for U.G., P.G., Pathology, Colleges

WELL LAID OUT PANEL WITH NOTES & INSTRUCTIONS

- Reads** : % T & OD
- Power required** : 230 V AC \pm 10% 50 Hz, 10 VA
- Filters** : Separate german filters 400, 420, 470, 500, 530, 620, 660, & 700 nm
- Readout** : 3 digit LED display
- Measurement** : a) Transmittance 'T'-0-100%
b) OD-0-1.99
- Accuracy** : %T - \pm 1% - OD - \pm 0.01
- Light source** : LED of infinite life
- Detector** : Photo cell
- Cuvette** : Square APH cuvette 10 mm path length optglass window
- Warning time** : 5 minutes
- Weight** : 1 Kg. (approx)
- Body** : ABS
- Dimension** : 90 mm (H) x 225 mm (W) x 220 mm (L)
- Sample quantity** : 1ml
- Accessories** : Square cuvette, Dust proof cover

One Button Operation



On-Board 4 Cuvette Holders provided

MODEL EQ-651

Disc Mounted Filters, Reads %T & OD, square cuvette, Battery backup

Useful in areas where there is power failure

- Reads** : OD & %T
- Power required** : 230 V AC \pm 10% 50 Hz or 6V, 4AH battery with charger in case of power failure
- Filters** : Disc mounted glass filters 400, 420, 470, 500, 530, 620, 660, & 700 nm. All the eight filters are mounted on the disc. Selection is done by rotation of disc. The disc will be locked in desired position
- Readout** : 3 digit LED display
- Measurement** : a) Transmittance 'T'-0-100% b) OD-0-1.99
- Accuracy** : %T - \pm 1%, OD - \pm 0.01
- Light source** : LED of infinite life
- Detector** : Photo cell
- Cuvette** : Square APH cuvette 10 mm path length optglass window
- Warning time** : 5 minutes
- Weight** : 1 Kg. (approx)
- Body** : ABS
- Dimension** : 90 mm (H) x 225 mm (W) x 220 mm (L)
- Sample quantity** : 1ml
- Accessories** : Square cuvette, Dust proof cover

On-Board 4 Cuvette Holders provided



DIGITAL COLORIMETER

MODEL EQ-650A
EQ-653

Disc Mounted Filters, Reads %T & OD, square cuvette

Useful for U.G., P.G., Pathology, Colleges

WELL LAID OUT PANEL WITH NOTES & INSTRUCTIONS

- Reads** : 650A - % T & OD / 653 - OD
- Power required** : 230 V AC \pm 10% 50 Hz, 10 VA
- Filters** : Disc mounted german filters 400, 420, 470, 500, 530, 620, 660, & 700 nm. All the eight filters are mounted on the disc. Selection is done by rotation of disc. The disc will be locked in desired position
- Readout** : 3 digit LED display
- Measurement** : a) Transmittance 'T'-0-100% b) OD-0-1.99 (653 reads OD only)
- Accuracy** : %T - \pm 1%, OD - \pm 0.01
- Light source** : LED of infinite life
- Detector** : Photo cell
- Cuvette** : Square cuvette 10 mm path length optiglass window
- Warning time** : 5 minutes
- Weight** : 1 Kg. (approx)
- Body** : ABS
- Dimension** : 90 mm (H) x 225 mm (W) x 220 mm (L)
- Sample quantity** : 1ml
- Accessories** : Square cuvette, Dust proof cover

One Button Operation



On-Board 4 Cuvette Holders provided

DIGITAL ORP METER

Just dip & measure ORP, no need for daily titration

MODEL EQ-640

Table Model - Useful for Water Ind & Effluence Treatment

- Readout** : 4 digit LED display
- Measurement** : ORP emf
- Range** : 0 to \pm 1999 mV
- Resolution** : 1mV
- Accuracy** : \pm 0.2% \pm 1 least count
- Power required** : 230 V AC \pm 10% 50 Hz, 4 VA
- Warming time** : 5 minutes
- Weight** : 1 Kg (approx.)
- Body** : ABS
- Dimension** : 80 mm (H) x 235 mm (W) x 153 mm (L)
- Electrode** : EQ-703 Unbreakable APH Sleeved ORP Electrode
- Accessories** : Stand set, Buffer tablets, Screwdriver and Dust proof cover



MODEL EQ-642

ORP Pocket Meter - Useful for Water Ind & Effluence Treatment

- Readout** : 3 ½ digit LCD display
- Measurement** : ORP emf
- Range** : 0 to \pm 1999 mV
- Accuracy** : mV : \pm 0.2% \pm 1 least count
- Power required** : 9 V battery
- Weight** : 200 gms. (approx.)
- Dimension** : 40 mm (H) x 75 mm (W) x 140 mm (L)
- Electrode** : EQ-703 Unbreakable APH Sleeved ORP Electrode
- Accessories** : Screwdriver and Carry case



DIGITAL TDS METER

No need to carry out time consuming gravimetry process daily

MODEL EQ-680

Useful for Water Analysis

Readout	: 4 digit LED display
Range	: 0.01 PPM to 200 PPT in six ranges
Six ranges Viz	: 2PPM, 20PPM, 200PPM, 2PPT, 20PPT, 200PPT
Accuracy	: $\pm 1\% \pm 1$ least count
Power required	: 230 V AC $\pm 10\%$ 50 Hz
Warming time	: 5 minutes
Weight	: 1 Kg (approx.) Body : ABS
Dimension	: 80 mm (H) x 235 mm (W) x 155 mm (L)
Standard TDS	: 0.5 PPT
Electrode	: EQ-708A Unbreakable APH Sleeved Conductivity Cell (K=1)
Accessories	: Stand set, Screwdriver and Dust proof cover



MODEL EQ-682

TDS Pocket Model Battery Operated - Useful for Water Analysis

Readout	: 4 LCD display
Range	: 1PPM to 200 PPT in 3 ranges
3 ranges Viz	: 2 PPT, 20 PPT, 200 PPT (2 PPT = 2000 PPM)
Accuracy	: $\pm 1\% \pm 2$ last 2 digits
Power required	: 9 V battery
Weight	: 200gm. (approx.)
Dimension	: 40 mm (H) x 75 mm (W) x 140 mm (L)
Electrode	: EQ-708A Unbreakable APH Sleeved Conductivity Cell (K=1)
Accessories	: Screwdriver and Carry case



DIGITAL DISSOLVED OXYGEN METER

MODEL EQ-694

With Inbuilt Magnetic Stirrer & Pvc Body Electrochemical Type Electrode (membrane Type)

Readout	4 digit LED display
Range	0 to 100.00 Full scale
Resolution	.1
Accuracy	± 1 least count
Temp. comp.	0 to 60°C
Power required	230 V AC $\pm 10\%$ 50 Hz, 4 VA
Warming Period	5 minutes
Weight	1 Kg (approx.)
Body	ABS
Dimension	90 mm (H) x 225 mm (W) x 220 mm (L)
Electrode	Pvc Body Electrochemical Type (membrane Type)
Strirrer speed	500 RPM fixed.
Accessories	Stand set, Electrode clamp, Rod, teflon magnet, screwdriver and Dust proof cover, Aerator kit, Zero solution.
Calibration	2 point



DIGITAL TURBIDITY METER (NEPHLOMETER)

MODEL EQ-811

200 / 2000 NTU

Useful for Colleges, Research, Water Industry, Pharma

- Readout** : 4 digit LED display
- Range** : 0 - 200 NTU
0 - 2000 NTU
- Resolution** : 0.1 NTU in 200 range
1 NTU in 2000 range
- Accuracy** : $\pm 2\%$ FSR
- Power required** : 230 V AC $\pm 10\%$ 50 Hz
with inbuilt stabilizer
- Warming time** : 5 minutes
- Weight** : 1 Kg (approx.)
- Body** : ABS
- Dimension** : 90 mm (H) x 225 mm (W) x 220 mm (L)
- Accessories** : Beaker set of 2 pieces, 2 bottles of standard solution (A and B) and
Dust proof cover, operation manual
- Min. Volume** : 30 ml
- Technology** : Quantum Zuerkst Certified



MODEL EQ-812

pocket turbidity meter with dip type probe

Useful For Field Work, Soil Testing, Water Industry, Research & Pharma

- Sensor** : Optical Technology using
Tindal effect
- Readout** : 4 digit LCD display
- Range** : 0-2000 NTU
- Resolution** : 1 NTU
- Accuracy** : $\pm 2\%$ of Full scale reading
- Power required** : 9V rechargeable battery with charging adapter (230V)
- Warming time** : 2 minutes
- Body** : ABS plastic
- Weight** : 200 g approx.
- Dimension** : 165mm (L) x 85mm (W) x 30mm (H)
- Accessories** : sensor probe, screw driver for calibration, carry case, 2
bottles of standard solution (A & B), charging adapter, operation manual
- Min. volume** : 30mL
- Technology** : Quantum Zuerkst Certified



3 in 1 – COMBO - Models

MODEL EQ-631

pH + Potentiometer + Magnetic Stirrer with battery backup

pH Meter

- Readout** : 4 digit LED display
- Range** : 0 to 14.00 pH
- Resolution** : pH: 0.01pH
- Accuracy** : pH $\pm 0.02 \pm 1$ least count
- Power required** : 230 V AC $\pm 10\%$ 50 Hz 4 VA 12 V
- Warming period** : 5 minutes
- Weight** : 2 Kg **Body** : ABS
- Stirrer Speed** : 500 RPM fixed
- Dimension** : 100 mm (H) x 230 mm (W) x 240 mm (L)
- Accessories** : Stand set, Electrode Clamps, patch cord for electronic buffer, buffer tablets for 9.2, 7.00, 4.00 pH Screwdriver & Dust proof cover Telfon Magnet
- Electrode** : EQ-700 Unbreakable APH Sleeved Glass + Reference Combined Electrode
- Electronic Buffer** : Equivalent signal output of ideal electrode in solution of 9.2, 7.00, 4.00 pH useful for self diagnostic



Potentiometer

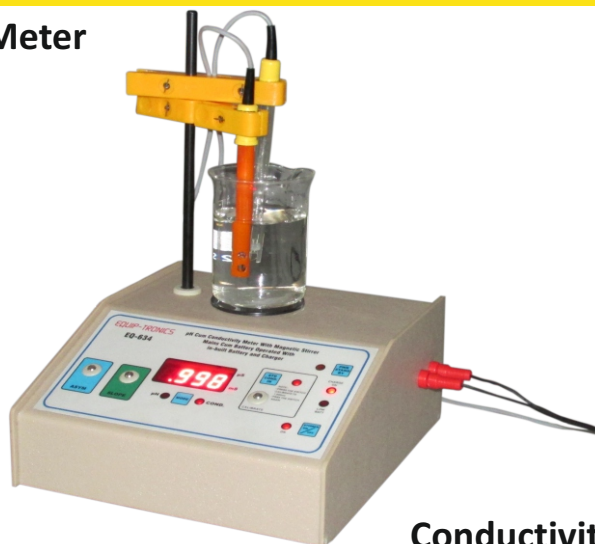
- No need of Calibration**
- Readout** : 4 digit LED display
- Range** : ± 1.999 V
- Accuracy** : 0.001 V
- Electrode** : Combine Ref + Pt PVC (EQ-703)

MODEL EQ-634

pH + Auto-ranging Conductivity Meter + Magnetic Stirrer

pH Meter

- Readout** : 4 digit LED display
- Range** : 0 to 14.00 pH
- Resolution** : pH: 0.01pH
- Accuracy** : pH $\pm 0.02 \pm 1$ least count
- Power required** : 230 V AC $\pm 10\%$ 50 Hz 4 VA 6 VA
12 V Rechargeble Battery
- Warming period** : 5 minutes
- Weight** : 2 Kg **Body** : ABS
- Stirrer Speed** : 500 RPM fixed
- Dimension** : 100 mm (H) x 230 mm (W) x 240 mm (L)
- Accessories** : Stand set, Rod, Electrode Clamp, patch cord for electronic buffer, buffer tablets for 9.2, 7.00, 4.00 pH Screwdriver, Teflon Magnet & Dust proof cover
- Electrode** : EQ-700 Unbreakable APH Sleeved Glass + Reference Combined Electrode
- Electronic Buffer** : Equivalent signal output of ideal electrode in solution of 9.2, 7.00, 4.00 pH useful for self diagnostic



Conductivity Meter

- No need of Calibration**
- Readout** : 4 digit LED display
- Units of Meas** : SIEMENS
- Auto-ranging** : 01 μ s to 200ms, 2ms in six auto ranges (200ms, 20ms, 2ms, 200 μ s, 20 μ s, 2 μ s)
- Accuracy** : $\pm 1\% \pm 1$ least 2 digit
- Conductance** : Conductance of 1.000ms
- Electrode** : EQ-708A Unbreakable APH Sleeved Conductivity Cell(K=1)

2 in 1 – COMBO - Models

MODEL EQ-635

pH + Autorange Conductivity Meter for simultaneous measurements

Useful for P.G., Research, Industry, Pharma

pH Meter

- Range** : 0+14.00 pH - 4 digit LED display
- Accuracy** : ± 0.01 pH
- Electrode** : **EQ-700 Unbreakable APH Sleeved Glass + Reference Combined Electrode**
- Electronic Buffer** : 9.2, 7.00, 4.00 pH

Conductivity Meter

- Readout** : 4 digit LED display
- Range** : .01µs to 200ms in 6 auto ranges
(2µs, 20µs, 200µs, 2ms, 20ms, 200ms)
- Accuracy** : ± 1% ± last 2 digit
- Electrode** : **EQ-708A Unbreakable APH Sleeved Conductivity Cell(K=1)**
- Standard Conductance** : Conductance of 1.00ms
- Power required** : 230 V AC ± 10% 50 Hz 4 VA
- Warming period** : 5 minutes



- Weight** : 1.5 Kg (Approx)
- Body** : ABS
- Dimension** : 80 mm (H) x 235 mm (W) x 150 mm (L)
- Accessories** : Stand set, Rod, Electrode Clamps, patch cord for electronic buffer, buffer tablets for 9.2, 7.00, 4.00 pH Screwdriver & Dust proof cover

MODEL EQ-636

pH + Potentiometer for simultaneous measurements

Useful for P.G., Research, Industry, Pharma



pH Meter

- Range** : 0 - 14.00 pH - 4 digit display
- Accuracy** : ± 0.01 pH
- Electrode** : **EQ-700 Unbreakable APH Sleeved Glass + Reference Combined Electrode**
- Electronic Buffer** : 9.2, 7.00, 4.00 pH

Potentiometer

- Readout** : 4 digit LED display
- Range** : ± 1.999 V
- Accuracy** : .001 V
- Power required** : 230 V AC ± 10% 50 Hz 3 VA

- Warming period** : 5 minutes
- Weight** : 1.5 Kg (Approx) **Body** : ABS
- Dimension** : 80 mm (H) x 235 mm (W) x 155 mm (L)
- Accessories** : Stand set, Rod, Electrode Clamps, patch cord for electronic buffer, buffer tablets for 9.2, 7.00, 4.00 pH Screwdriver & Dust proof cover

COMBINED POCKET MODEL

MODEL EQ-6682

pocket conductivity (E.C meter) cum TDS meter with rechargeable battery

Pharma, Water analysis, Soil testing

WELL LAID OUT PANEL WITH NOTES & INSTRUCTIONS



- Readout** : 4 digit LCD display
- Range** : COND.-1 μ S to 200mS in three ranges
TDS- 1PPM to 200 PPT in three ranges
- Accuracy** : $\pm 1\%$ of Full scale reading, \pm last 2 digits
- Power required** : 9V rechargeable battery with charging adapter (230V)
- Weight** : 200 g approx.
- Dimension** : 165mm (L) x 85mm (W) x 30mm (H)
- Electrode provided** : EQ-708A Unbreakable APH Sleeved Conductivity Cell (K=1)
- Body** : ABS plastic
- Accessories** : Screwdriver, Carry case, COND. & TDS standard solutions

MODEL EQ-6612

pocket pH cum conductivity meter (E.C meter) with rechargeable battery

Pharma, Water testing, Printing, Soil testing

WELL LAID OUT PANEL WITH NOTES & INSTRUCTIONS



- Readout** : 4 digit LCD display
- Range** : pH- 0-14.00 pH
COND.- 0-20mS
- Accuracy** : pH- 0.01 COND. - $\pm 0.5\%$
- Power required** : 9V rechargeable battery with charging adapter (230V)
- Weight** : 200 g approx.
- Dimension** : 165mm (L) x 85mm (W) x 30mm (H)
- Electrode provided** : EQ-708A Unbreakable APH Sleeved Conductivity Cell (K=1)
EQ-700 Unbreakable APH Sleeved Glass + Reference Combined Electrode
- Body** : ABS plastic
- Accessories** : buffer tablets (4.00, 7.00, 9.20) pH, screw driver, carry case
COND. standard solutions

DIGITAL BOILING / MELTING POINT APPARATUS

MODEL EQ-730B

Smart melting/boiling point apparatus with inbuilt windows 10 PC and 7.0" full HD touch screen display

Used in pharmaceutical industries, chemical industries, research, etc

In conventional melting point apparatus, the greatest disadvantage is of recording the temperature while simultaneously observing the sample. Many times the event is missed and the user has to perform the experiment all over again. It is difficult to judge the exact melting phase. In this model all the shortfalls are overcome by a high resolution camera with ultra zoom facility to capture live images of the sample along with the temperature. The user can then review the photos and select the exact melting phase of the sample.



Heating Range
Accuracy
Heating Rate
Power
Dimensions
Weight

Room temperature to 300°C
± 0.1°C
1 deg per min to 20 deg per min
230V AC mains @50 Hz 500VA
390mm (D) x 250mm (W) x 420mm (H)
3 kg approx

Magnetic stirrer for uniform heating Camera with ultra zoom facility.

Simultaneous measurement for upto 5 samples

High Resolution Camera

Inbuilt 7" full HD touch screen

Display
Operating System
Memory
Other Features
Frame Rate

Windows 10

32GB storage with usb storage support, 2GB DDR3L RAM

upto 4 USB super speed 3.0 ports, WIFI & Bluetooth 4.0

10 frames/minute and 20 frames/minute

External Mouse & Keyboard Connectivity Support.

Any USB / WIFI Printer Installable.

DIGITAL BOILING / MELTING POINT APPARATUS

MODEL EQ-730

Microprocessor based 0 - 300°C ± 0.1°, slow rate 1°/min

Useful for U.G & P.G., Research, Industry, Pharma

SPECIFICATIONS

The instrument is microprocessor based.

On pressing the button the temp reading gets frozen.

Thus User can concentrate freely on the sample under test heating rate as low as 1°C per minute can be achieved.

- Heating range 300°C
- Accuracy ± 0.1°C
- Reading can be frozen
- Lens to view the sample slow / fast heating arrangement provided
- Magnetic stirrer for uniform heating
- Power 230 V 50H 500 VA
- Size 420 x 390 x 250 mm
- Weight 1.5 kg



MODEL EQ-730A

Microprocessor based 0 - 300°C ± 0.1°, slow rate 1°/min
Camera & Screen for safety

Useful for P.G., Research, Industry, Pharma

SPECIFICATIONS

Camera & Screen for safety and multiple viewing

The instrument is microprocessor based.

On pressing the button the temp reading gets frozen.

Thus User can concentrate freely on the sample under test heating rate as low as 1°C per minute can be achieved.

- Heating range 300°C
- Accuracy ± 0.1°C
- Reading can be frozen
- Camera & screen to view the sample tube for safety and many people can see at a time
- Slow fast heating arrangement provided
- Magnetic stirrer for uniform heating
- Power 230 V 50H 500 VA
- Size 420 x 390 x 250 mm
- Weight 1.5 kg



ELECTRONIC BURETTE/PIPETTE

Auto Burette Dispenser/Pipette with inbuilt magnetic stirrer

MODEL EQ-575

Suitable for POTENTIOMETRIC, CONDUCTOMETRIC and pH metric, etc titrations. Useful for pipetting small amounts of liquid

No Need Of Zeroing The Burettes. No Need Of Sucking Harmful (acids, Solvents, Etc) And Carcinogenic Substances/solutions (arsenic, Lead, Mercury, Etc) In Pipettes. **Small & Compact. Fast & Simple Operation.**

Peristaltic pump ensures continuous and precise flow of titrant. Eliminates the need for cumbersome refilling.

Well laid out panel with notes and instructions for use.

Dispensing tip designed for μ liter drop size



Set The Volume & Press Start



WELL LAID OUT PANEL WITH NOTES & INSTRUCTION

NO NEED OF LONG, FRAGILE, GLASS, BURETTES AND PIPETTES

Readout

4 digit LED display for volume
Long life Pharmed BPT tubing. Resistant to most acids and solvents.
Special mode to dispense pre-set volumes (upto 99.95mL). Useful for pilot reading

3 dispensing speeds

Fast: upto 20mL/minute
Slow: upto 5mL/minute
 μ liter mode for dropwise dispense of titrant.

Accuracy

Dispenser - 0.5%

Resolution

Dispenser - 10 μ L

Stirrer speed

200 RPM fixed

Dimensions

90(H) X 225(W) X 220(L)

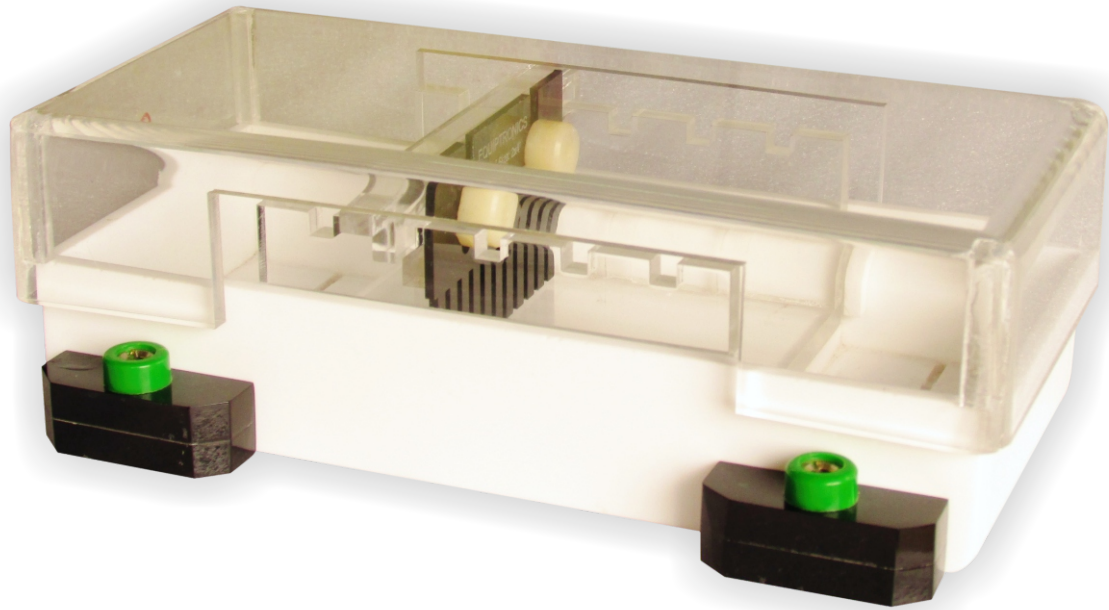
Power required

230 V AC \pm 10% @ 50Hz, 3VA

ELECTROPHORESIS APPARATUS

MODEL EQ-760

Horizontal Gel Electrophoresis Apparatus



- Easy Casting tray
- 2 Sets of Combs
 - a) 11 teeth of 2 x 4 mm
 - b) 8 teeth of 2 x 6 mm
- Pt wires electrodes (inbuilt)
- Patch Cord set
- Easy view Acrylic body
- Size of Gel: 100 mm x 65 mm x 3 mm

MODEL EQ-761

Vertical Gel Electrophoresis Apparatus

- Easy Casting tray
- 2 Sets of Combs
 - a) 14 teeth of 3 x 3 mm
 - b) 11 teeth of 5 x 3 mm
- Pt wires electrodes (inbuilt)
- Patch Cord set
- Easy view Acrylic body
- Size of Gel: 80 mm x 60 mm x 3 mm



ELECTROPHORESIS POWER SUPPLY

MODEL EQ-751

0-300V, 100ma, Constant Voltage/ Constant Current

U.G., P.G., Biotech

Good results are obtained with constant current mode. EQ 751 gives constant Current from 5mA to 100mA over the entire duration of the experiment



- It works either in constant Voltage or constant Current mode
- Digital meter to read current and voltage
- Fine control of voltage and current
- Works on 230V mains
- Size: 360 mm (L) x 200 mm (B) x 150 mm (H)
- Weight: 4 Kg. (approx)

MODEL EQ-752

0-300V, 100ma (Programable timer for Auto shut off)
Constant Voltage/ Constant Current

U.G., P.G., Biotech

Good results are obtained with constant current mode. EQ 752 gives constant Current from 5mA to 100mA over the entire duration of the experiment



- It works either in constant Voltage or constant Current mode
- Digital meter to read current and voltage
- Fine control of voltage and current
- Works on 230V mains
- Size: 360 mm (L) x 200 mm (B) x 150 mm (H)
- Weight: 4 Kg. (approx)
- Timer to switch off after Pre-setted interval

TLC

MODEL EQ-880

TLC Model EQ-880 is with high resolution camera & UV cabinet

Suitable for gel, aluminium plate or glass plate

The pictures can be viewed and stored in user's laptop.

This eliminates the direct viewing of plate in UV light

Inbuilt Safety Protection

Wavelength : Daylight, 254nm, 312nm, 365nm

Power : 230V AC @50Hz, 20VA

Weight : 1.5Kg Approx



UV CABINET

MODEL EQ-780

UV Cabinet with UV & White Light with inbuilt safety protection

MODEL EQ-781

Useful for Biotech, Electrophoresis, Pharma

Model EQ-780 with UV filter

- 254, 365 & daylight
- 230V AC - 50 Hz - 40 watts
- Hood to view the sample
- UV filter for protection
- Safety switch to switch off UV, if door is open
- Safety LED indicator to view
- Box ABS

Model EQ-781 with German filter

- 254, 312, 365 & daylight
- 230V AC - 50 Hz - 40 watts
- Hood to view the sample
- German UV filter blocks 100% UV
- Safety switch to switch off UV if door is open
- Safety LED indicator to view
- Box ABS



POTENTIOMETRIC TITRATOR

MODEL EQ-565

USEFUL IN PHARMA, CHEMICAL AND PETROCHEMICAL INDUSTRIES, RESEARCH, ETC

Suitable for Aqueous, Non-Aqueous (TAN, TBN, etc) and Red-Ox titrations. Peristaltic pump ensures continuous and precise flow of titrant. Eliminates the need for cumbersome refilling.

Dispensing tip designed for μ liter drop size

WELL LAID OUT PANEL WITH NOTES & INSTRUCTIONS



Readout Range

Volume: 4 digit LED display
mV : 4 digit LED display
Potentiometer - ± 1999 Mv with automatic polarity change.
Long life Pharmed BPT tubing. Resistant to most acids and solvents.
Special mode to dispense pre-set volumes (upto 99.95mL). Useful for pilot reading.

3 dispensing speeds

Fast: upto 20mL/minute
Slow: upto 5mL/minute
 μ liter mode for dropwise dispense of titrant.

Accuracy

Dispenser - 0.5%
Potentiometer - ± 1 mV

Resolution

Dispenser - 10 μ L
Potentiometer - 1Mv

Stirrer speed

200 RPM fixed

Power required

230 V AC $\pm 10\%$ @ 50Hz, 5VA

Dimensions

500(L) X 390(D) X 250(H)

Electrodes

Special potentiometric titration electrode provided along with the instrument.

SERVO VOLTAGE SINE WAVE STABILIZER

MODEL EQ-590/591

Useful In Areas With Improper/fluctuating Mains Voltage Supply. Can Be Used With All Our Instruments.

All the electronic instruments need protection against overvoltage and under voltage. Over voltage will spoil the instrument, while under voltage will hamper the performance. Servo voltage stabilizer is sine wave stabilizer and it controls voltage very accurately. It is a continuous control whereas other stabilizers that are available in the market are for freeze and oven, where control is in steps.

Model EQ 590 / 591 controls voltage continuously.

Single stabilizer EQ591 can be wired in lab to supply many instruments at a time. Thus a single unit can run the entire practical session in the lab.

NB: Heavy loads of pump, oven, and incubator should not be connected. Please consult us before buying the stabilizer.



- | | |
|------------------|--------------------------------|
| • Voltage | Sine Wave 50Hz |
| • Input Voltage | 200 TO 250 VAC |
| • Output Voltage | 230 V \pm 5 V |
| • Power Output | EQ-591 1000VA
EQ-590 700VA |
| • Power Sockets | 4 NO.S |
| • Weight | 5 KG APPROX |
| • Dimensions | 215MM(L) X 235MM(W) X 205MM(D) |

This Sine Wave Stabilizer will protect all costly instruments like Spectrophotometer, Flamephotometer, Ph. Meter, CRO, etc.

ELECTRODES

Low volume design to save chemicals







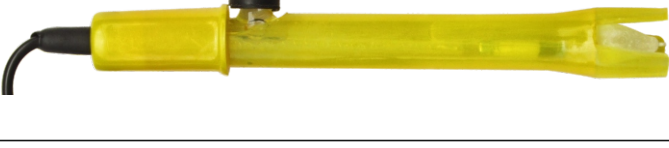

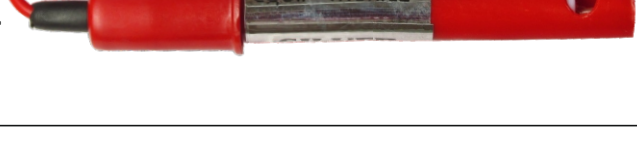
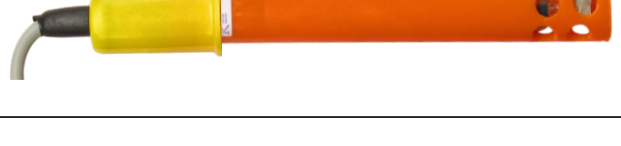
Common Features

- All the electrodes are care fully tested before dispatch
- The **BNC connector pin is gold plated** the **wires are teflon coated**, **Pins are Tin plated**
- Very sturdy and attractive box for storage
- All the electrodes are unbreakable, Protected by APH acid Proof material
- Low volume
- Nano Crystal Technology

For Details Refer To Our Electrode Catlogue

Perfect Electrodes To Suit EQUIPTRONICS Instruments

Your expensive instruments will be hampered if you use low quality electrodes. Don't be misled by Dealers. Always insist on EQUIPTRONICS brand with Model no

Model	Model	Model	Model	Model	Model	Model	Model	Model	Model										
Electrode Box		EQ 700		EQ 701		EQ 702		EQ 703		EQ 704		EQ 705		EQ 706		EQ 707/Ag/Cu Zn/Al		EQ 708 A/B/C/D	
Specification		Glass + reference (KCL filled) combined electrode with unbreakable PVC sleeve	Glass + reference (Gel filled) combined with unbreakable PVC sleeve	PT 100 sensor Temperature Probe S.S. Body PVC handle	Pt + reference (KCL filled) combined with unbreakable PVC sleeve	Reference Hg/HgCl (KCL filled) electrode with unbreakable PVC sleeve	Reference Ag/AgCl (KCL filled) electrode with unbreakable PVC sleeve	Platinum electrode with Platinised Platinum with unbreakable PVC sleeve	Metallic Electrode Silver, Copper, Zinc, Aluminium electrode with unbreakable PVC sleeve	Conductivity Cell Platinum plate with unbreakable PVC sleeve A = K - 1 B = K - 0.5 C = K - 0.1 D = K - 10									
Uses		Ph meter	Ph meter	Ph meter Conductivity meter	Potentiometer and ORP	Potentiometer	Potentiometer	Potentiometer	Potentiometer	Potentiometer	Potentiometer	Potentiometer	Potentiometer	Conductivity meter					



Looking back into 40 years

It was mid sept 1980, that a motivated team headed by I.S. Khambati, a post graduate in nuclear physics founded **EQUIPTRONICS**. The founder earlier worked as a staff member in University of Mumbai (Dept. of Physics) and Western Regional Instrumentation Centre. It was here that the founder's foundation of knowledge was laid. It was the first time in 1974 that modern instruments were introduced at graduate and undergraduate level. **The founder's job was to develop instruments and help college teachers to understand and make one prototype instrument for their colleges. In this connection the founder had to resource the know how from eminent scientist in BARC and TIFR. It was a great privilege to meet and be associated with such ICONIC personalities.**

The founder was motivated by University staff member to start manufacturing such instruments so that deep rooted knowledge gained there by is utilised for benefit of scientific community, this view point we keep in mind while designing & pricing. **Initially it all started with small instruments like Power Supplies, pH meters, etc. later on many instruments were added to the list including Spectrophotometer, Flame Photometer including advanced version of microprocessor based PC compatible instruments.**

We are the pioneers in introducing the concept of digital instruments which was later on adapted by all the players in the field

Our other contribution is in the defense sector, where we have developed and supplied various import substitute electronic items for Indian Navy, thereby saving country's precious foreign exchange. At least one or many items of EQUIPTRONICS have been fitted in each and every naval ships.

“EQUIPTRONICS thanks all those friends and well wishers for their advice and comments for improvement in our quality. All these is achieved by hard work of all our dedicated staff and other professionals in the network. Our staff members are honest, hardworking and enforce strict code of conduct.”

On Oct 12-2010 our team's hard work of 30 years was finally rewarded. Our technical expertise was finally recognized when EQUIPTRONICS was selected to be featured on national TV. Millions got a chance to view the real team behind the famous brand. A rare honour bestowed on a small company bypassing giants in the field. This historic event will be cherished by our team all along their life

EQUIPTRONICS®

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