

UV- VIS SCANNING SPECTROPHOTOMETER

**MODEL EQ-826 PC
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**



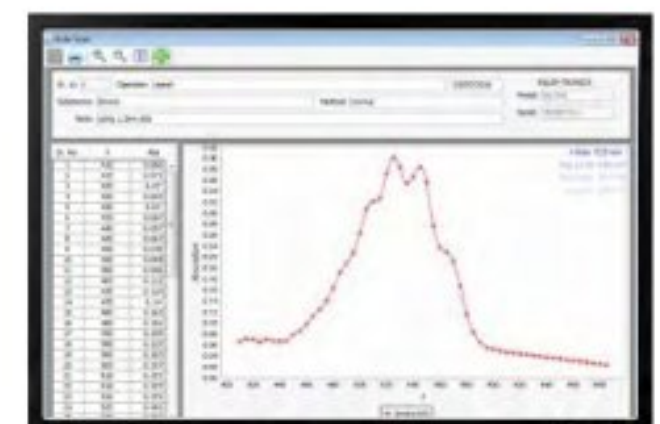
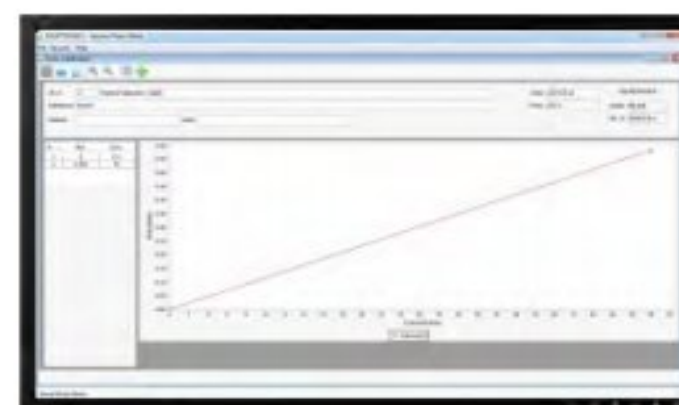
**REAL TIME
INITIALIZATION.
1ST READING IN
JUST UNDER 10
SECONDS.**

**WELL LAID
OUT PANEL
WITH NOTES AND
INSTRUCTIONS**

**ONE
BUTTON
OPERATION**

**SIMPLE 3 STEP
OPERATION
PLACE CUVETTE ->
SET λ ->
PRESS READ.**

Now with the help of PC you can perform Auto Scan, find λ Max., Plot Concentration graphs, find the '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 : ± 1 digit
- **Technology: Quantum Zuerkst Certified**
- **Inbuilt AC MAINS voltage indicator.**
- **Real Time initialization. First reading in under 10 seconds**

- **6 point concentration calibration**
- **Low volume sample : 1ml**
- **Software included EZ CRUZ - 16 SP (LIFETIME LICENSE)**
- **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 10 mm path length. 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

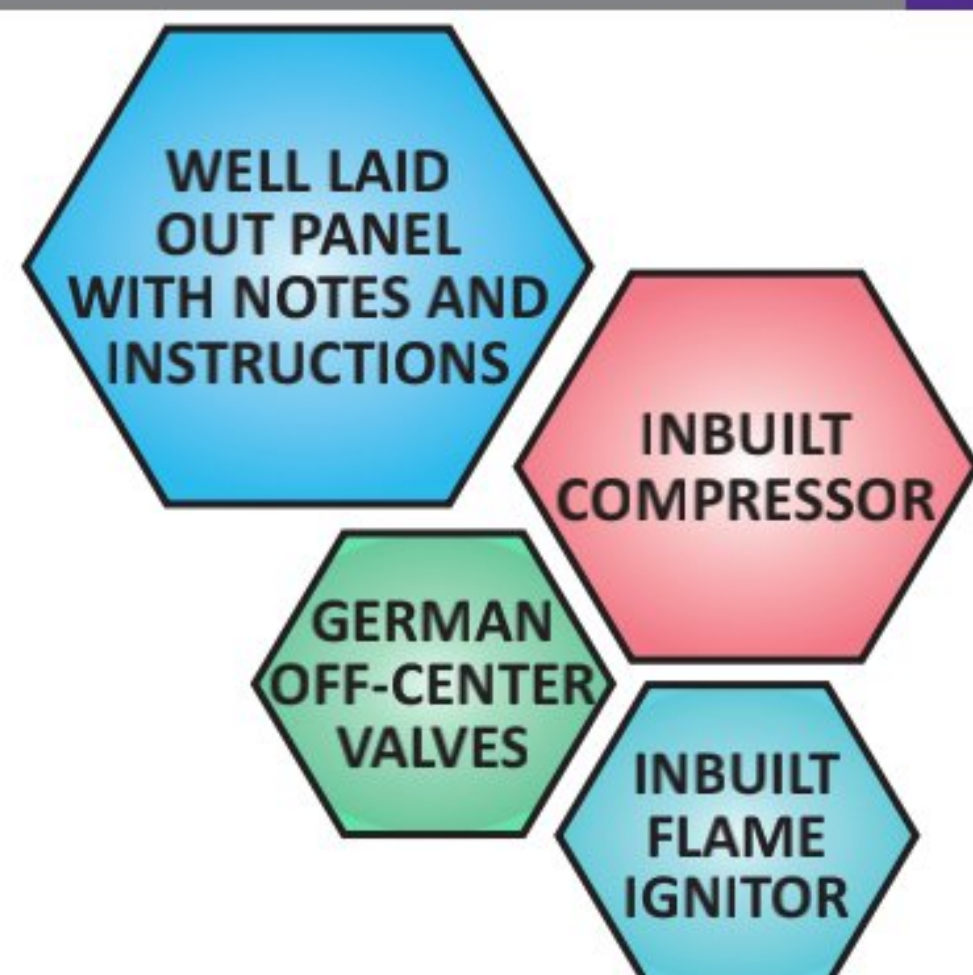
Model EQ 826 is PC compatible with EZ CRUZ software but without Laptop

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**

FLAME PHOTOMETER

- **Readout**
- **Sensitivity**
- **Stability**
- **Resolution**
- **Detector**
- **Compressor**
- **Flame System**
- **Air Filter**
- **Power required**
- **Weight**
- **Body**
- **Dimension**
- **Filters**
- **Sample Qty**
- **Aspiration Rate**
- **Technology**

3 digit LED display

Na	2 ppm
K	1 ppm
Ca	2 ppm
Li	3 ppm

± 1, Last digit

± 0.1 PPM

Photo Cell

Inbuilt Compressor with meter & valve

S.S. burner for LPG and dry oil free air. The fine control is achieved by off-center valves using german technology

Storage Tank of 800 CC

230 V ± 5%

4 Kgs. (approx.)

M.S. Powder Coated

270 mm(H) x 310 mm(D) x 350 mm(L)

Na & K provided. Other filters Ca, Li, Sr, Ba and many more, all sharp 5nm band width. Available at extra cost

10 ml for stable flame

10 ml per minute

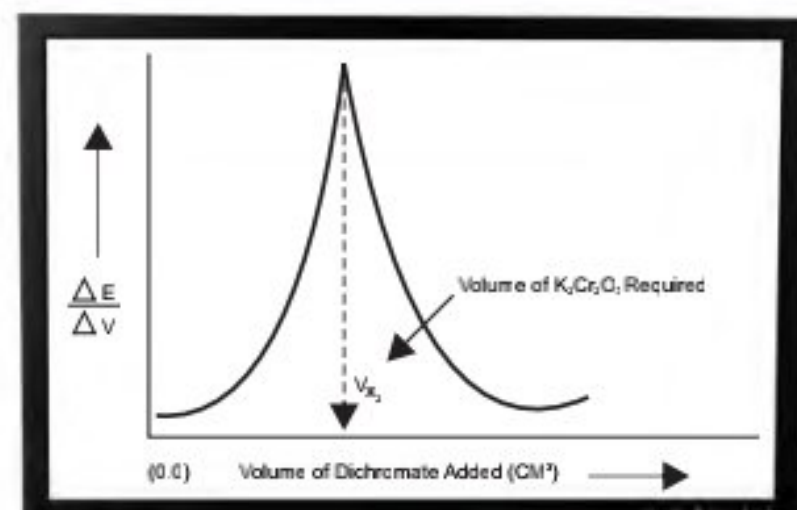
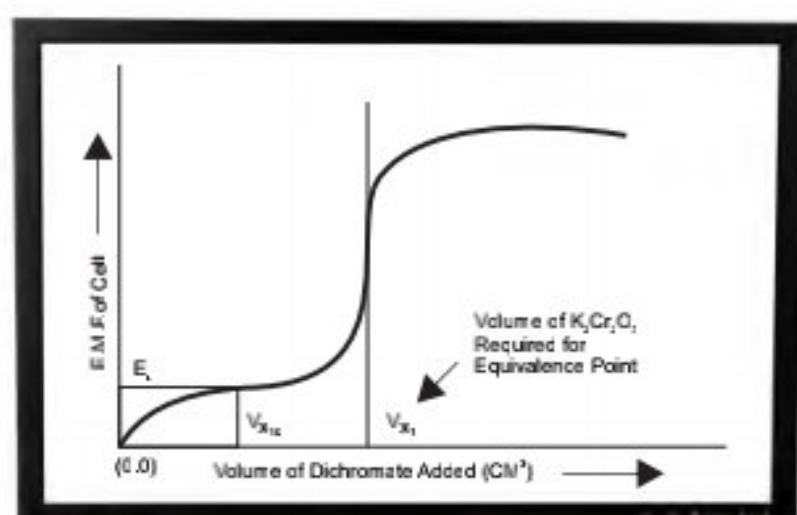
Quantum Zuerkst Certified

DIGITAL pH/ORP METER - 5 Point Calibration

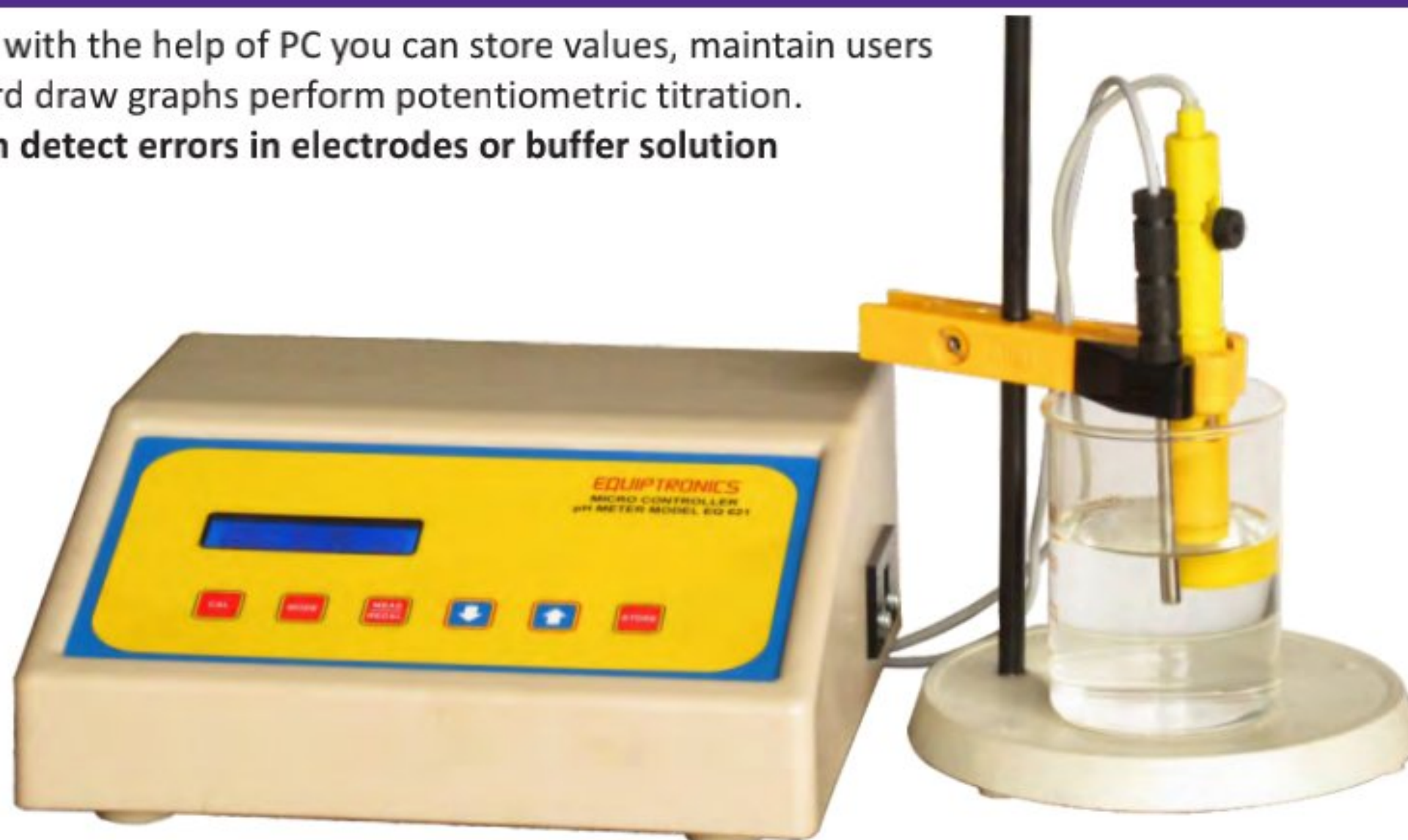
MODEL EQ-622

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 ± 1999 mV for ORP measurement Temp: 0 to 130°C.
Accuracy	PH: ± 0.01 mV/ORP: ± 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	NANO CRYSTALLINE ABS™
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. ORP ELECTRODE AT EXTRA COST.
Technology	Quantum Zuerkst Certified

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.

Readout	: 4 digit LED display
Unit of meas.	: SIEMENS (MHO)
Range	: 0.001 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 1 digits
Power required	: 230 V AC $\pm 10\%$ @50 Hz, 6 VA
Weight	: 1 Kg. (Approx.)
Body	: NANO CRYSTALLINE 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

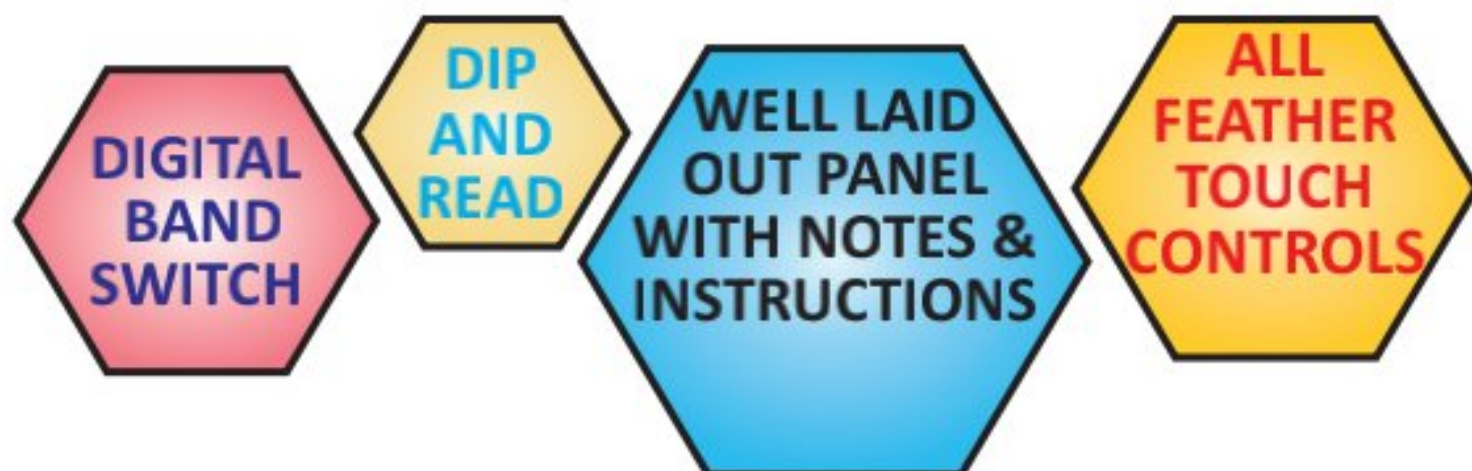


CONDUCTIVITY (EC) METER

MODEL EQ-660B

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

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



Readout	: 4 digit LED display
Unit of meas.	: MHO (SIEMENS)
Range	: 0.001 μ S to 200mS in 6 ranges
Six ranges	: 200mS, 20mS, 2mS, 200 μ S, 20 μ S, 2 μ S
Accuracy	: $\pm 1\% \pm$ last 1 digits
Power required	: 230 V AC $\pm 10\%$ @ 50 Hz, 5 VA
Warming period	: 5 minutes
Weight	: 1Kg (approx.)
Body	: NANO CRYSTALLINE ABS™
Dimension	: 80 mm (H) x 235 mm (W) x 155 mm (L)
Standard cond.	: Conductance of 1.000 m \bar{U}
Electrode	: EQ-708A Unbreakable APH Sleeved, Platinized Platinum Conductivity Cell (K=1)
Accessories	: Stand set, Screwdriver and Dust proof cover
Technology	: Quantum Zuerkst Certified



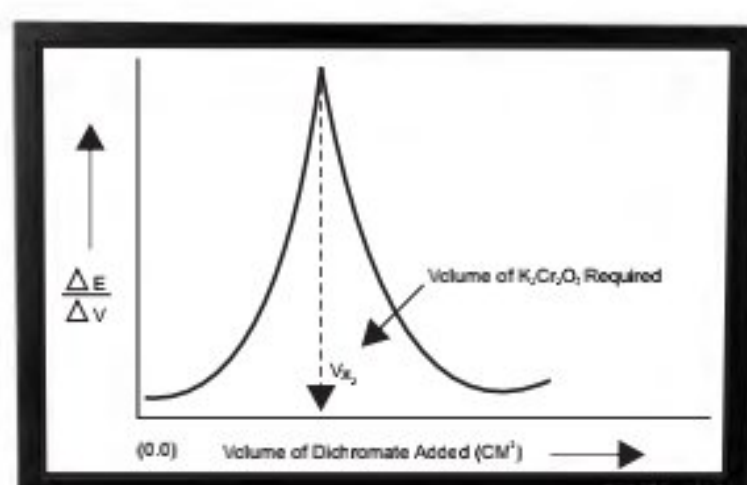
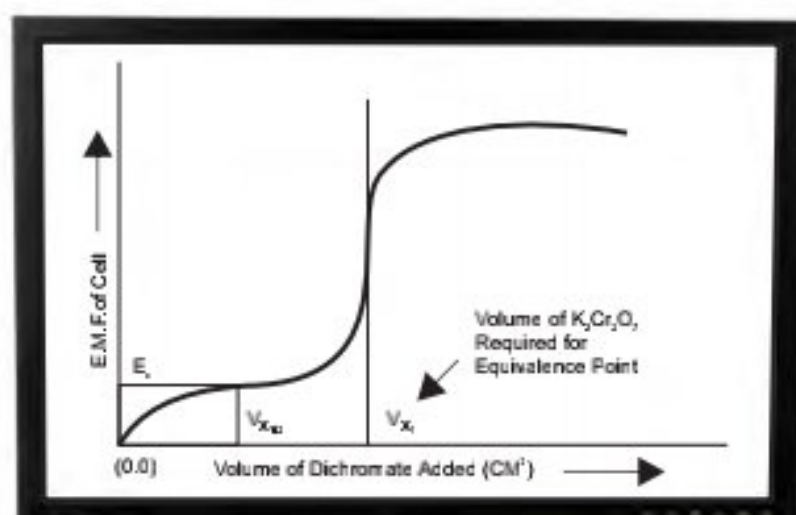
DIGITAL POTENTIO METER

MODEL EQ-607

POTENTIOMETER with 0-1000 storage, PC Compatible with Magnetic Stirrer

Titration, Colleges, Research, Industry, Pharma

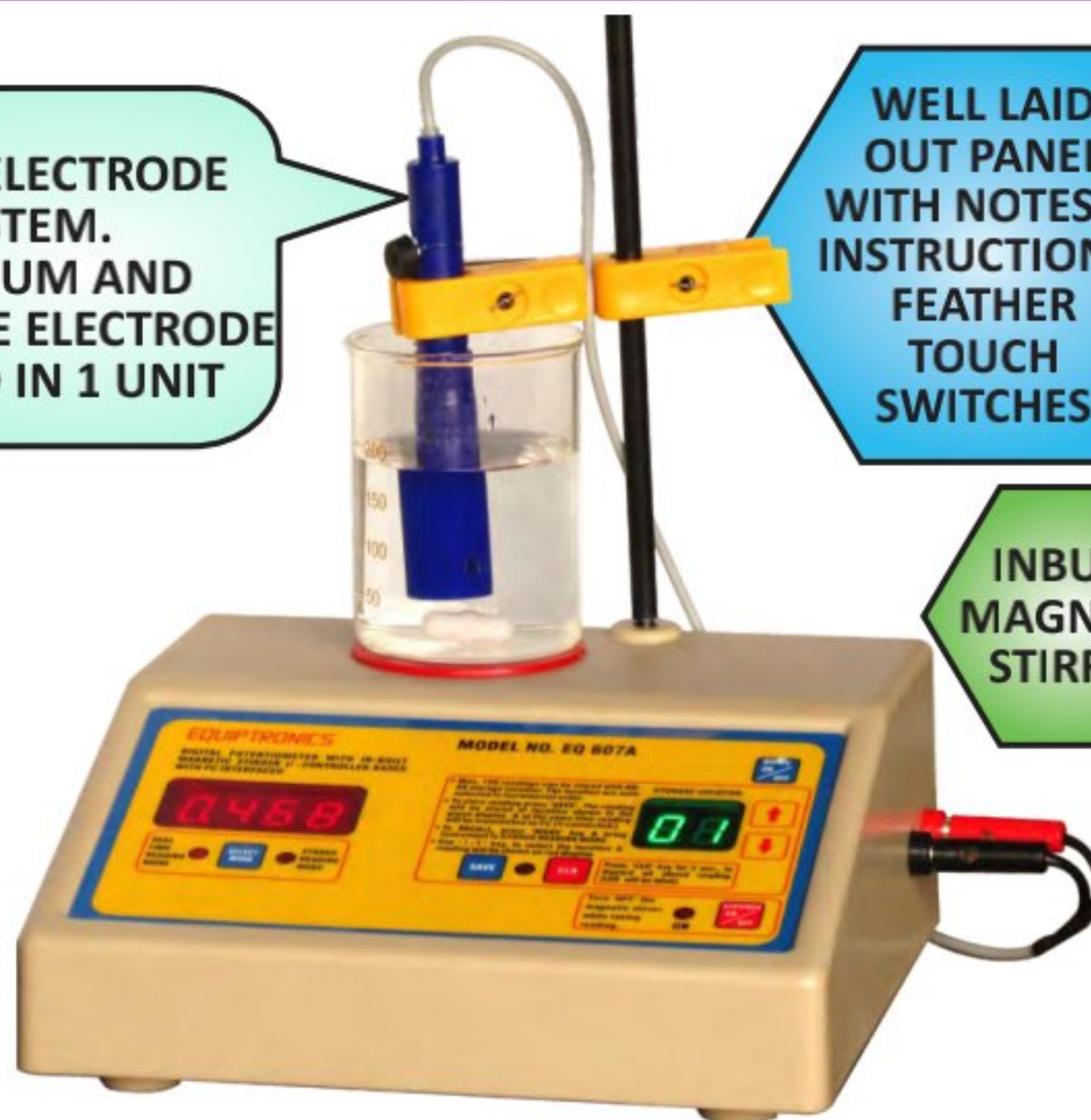
On Pressing a button store the reading.
Recall whenever required.
Can also be used without PC



SINGLE ELECTRODE SYSTEM.
PLATINUM AND REFERENCE ELECTRODE HOUSED IN 1 UNIT

WELL LAID OUT PANEL WITH NOTES & INSTRUCTIONS. FEATHER TOUCH SWITCHES

INBUILT MAGNETIC STIRRER



- Range : ± 1.999 V
- Readout : 4 digit LED display
- Storage : 2 digit LED display, can store 0-100 values / 1000 in P.C.
- Accuracy : 0.001 Volts
- Power required : 230 V AC $\pm 10\%$ @ 50 Hz, 10VA.
- Warming period : 5 minutes
- Weight : 1 Kg (approx.)
- Body : **NANO CRYSTALLINE ABS™**
- Dimension : 80 mm (H) x 235 mm (W) x 150 mm (L)
- Standard cell : 1.018 V inbuilt
- Accessories : **EQ-703 Special Pt + Ref** Combined Electrode KCl filled, Stand set & rod, Nano Technology Glass
- Technology : **Quantum Zuerkst Certified**

MODEL EQ-601

POTENTIOMETER with built-in standard cell, one button calibration. μ P based.

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 : **NANO CRYSTALLINE ABS™**
- Dimension : 80 mm (H) x 235 mm (W) x 155 mm (L)
- Standard cell : 1.018V inbuilt
- Accessories : Screwdriver & Dust proof cover
- Technology : **Quantum Zuerkst Certified**
- 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)



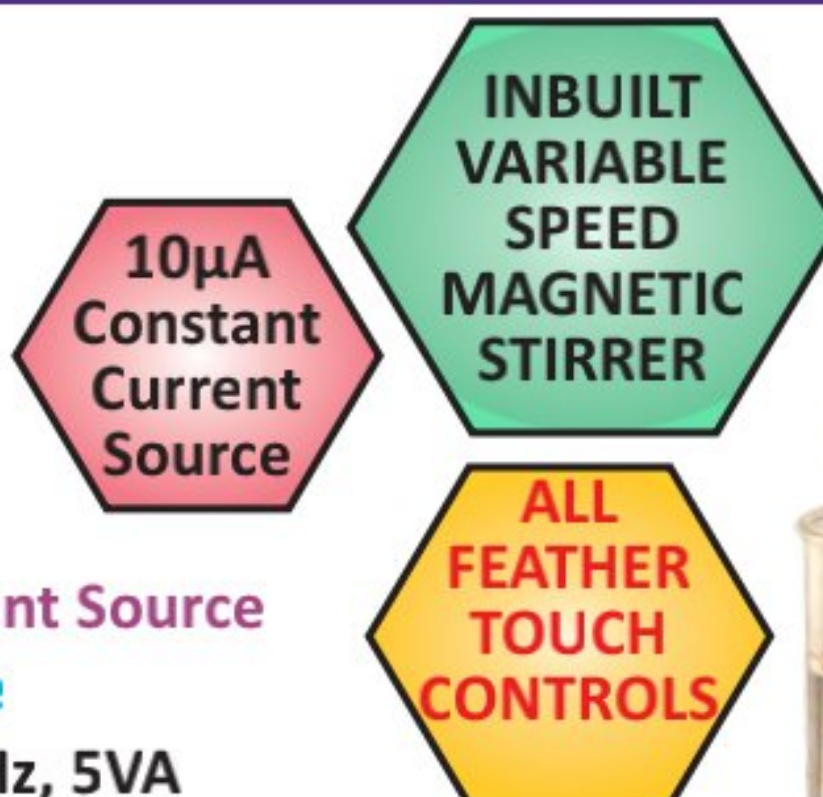
DIGITAL POTENTIO METER

MODEL EQ-602 A

POTENTIOMETER with built-in Variable speed Magnetic Stirrer & Standard cell. 10µA Current source. µP based.

U.G., P.G., Research

Range	: ± 1.999 V
Readout	: 4 digit LED display
Accuracy	: 0.001 Volts
Standard cell	: 1.018V inbuilt
Current Source	: 10µA Constant Current Source
Stirrer speed	: 50-500 RPM Variable
Power required	: 230 V AC ± 10%, 50 Hz, 5VA
Warming period	: 5 minutes
Weight	: 1 Kg. (Approx.)
Body	: NANO CRYSTALLINE ABS™
Dimension	: 90 mm (H) x 225 mm (W) x 220 mm (L)
Accessories	: EQ-703 Pt + Reference combined (KCL filled), Electrode clamp, Rod, Teflon magnet, Screwdriver & Dust proof cover
Technology	: Quantum Zuerkst Certified
Recommended Electrodes (at extra cost)	: 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)



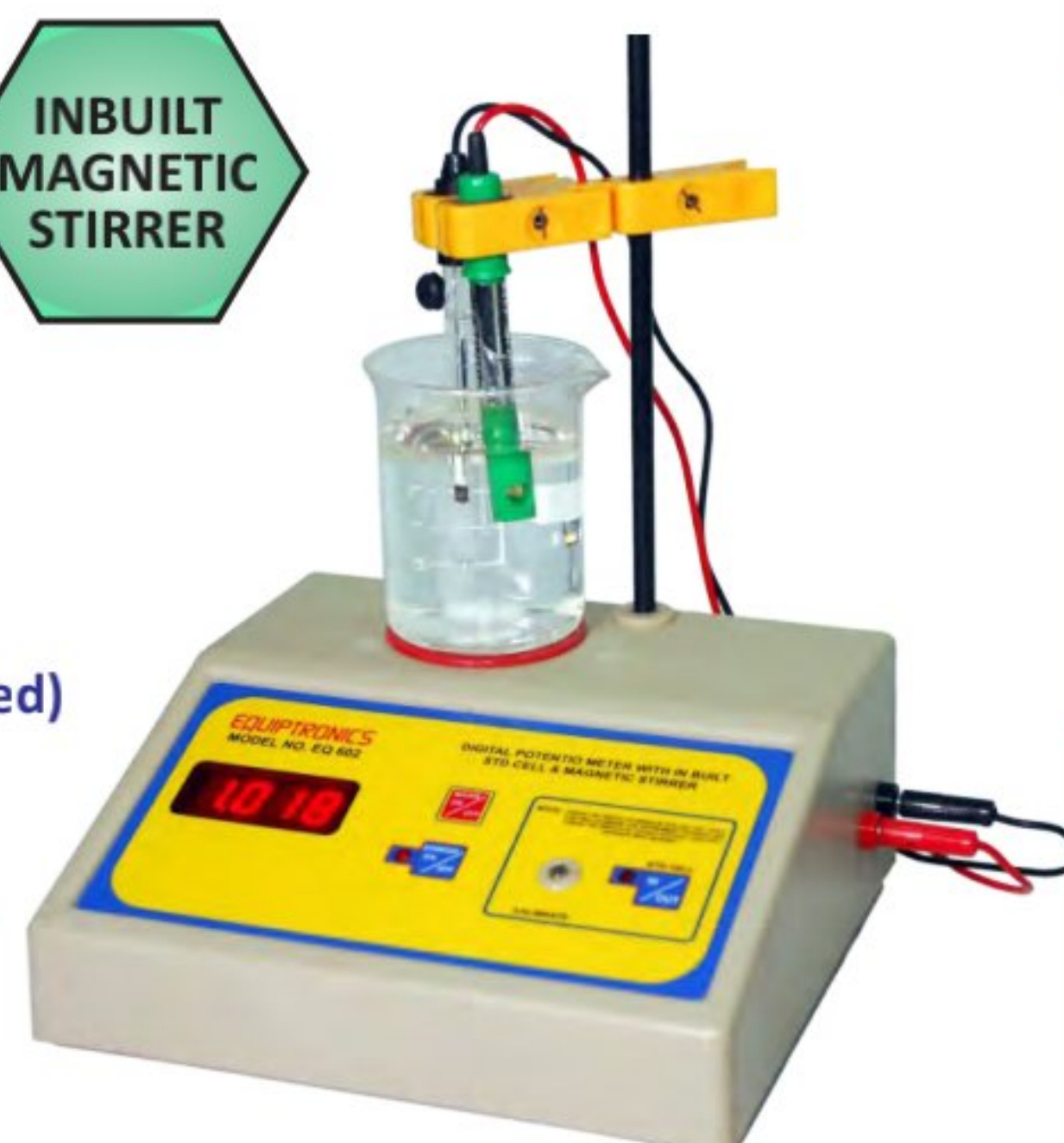
POTENTIOMETER

MODEL EQ-602

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

U.G., P.G., Research

Range	: ± 1.999 V
Readout	: 4 digit LED display
Accuracy	: 0.001 Volts
Power required	: 230 V AC ± 10% @50 Hz, 2 VA
Warming period	: 5 minutes
Weight	: 1 Kg. (Approx.)
Body	: NANO CRYSTALLINE ABS™
Dimension	: 80 mm (H) x 235 mm (W) x 155 mm (L)
Standard cell	: 1.018V inbuilt
Accessories	: Screwdriver & Dust proof cover
Technology	: Quantum Zuerkst Certified
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)



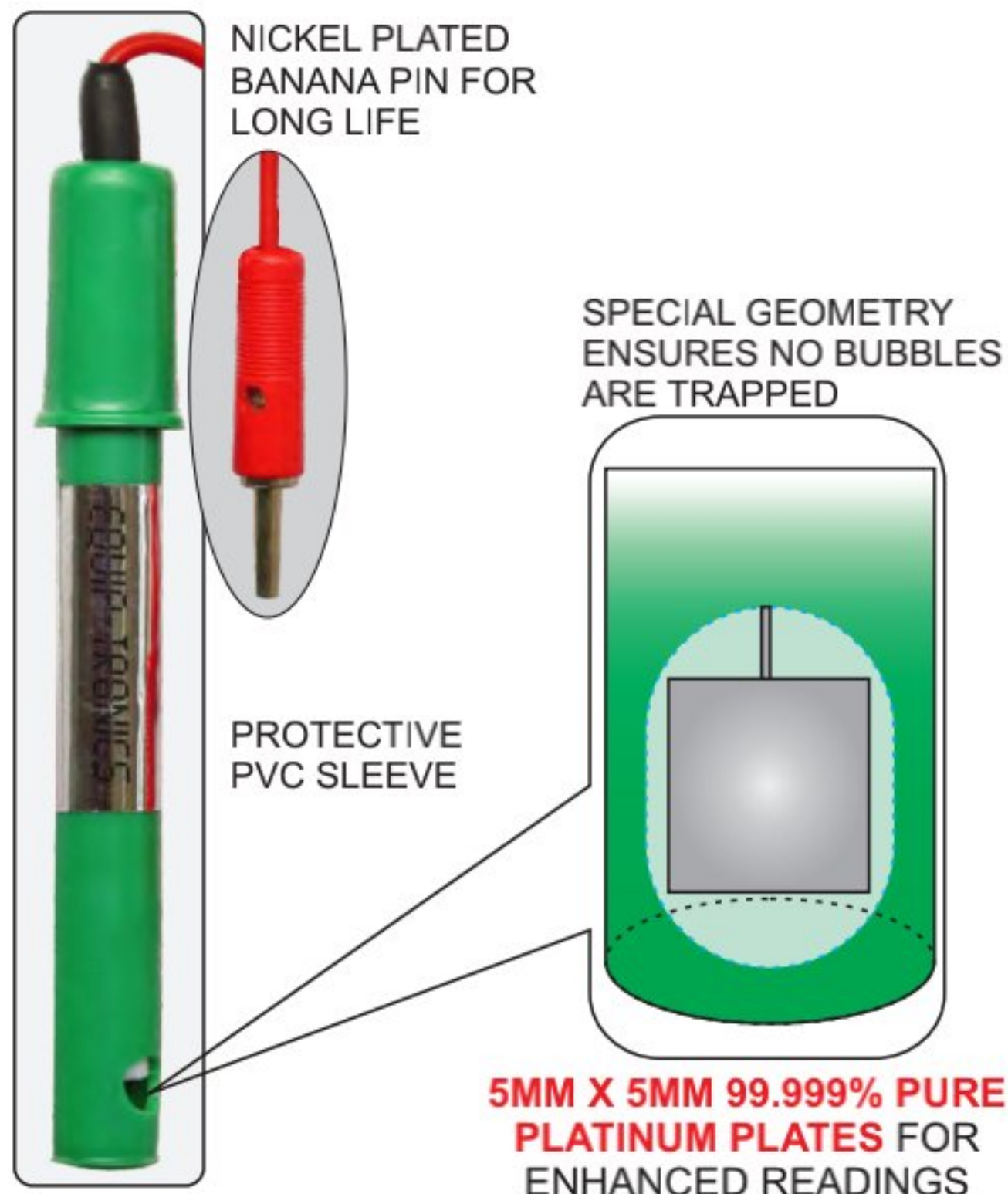
ELECTRODES

ELECTRODES

MODEL NO.
EQ-706

PLATINUM ELECTRODE
UNBREAKABLE PVC SLEEVED
99.999% PURE 25MM²
PLATINUM PLATE

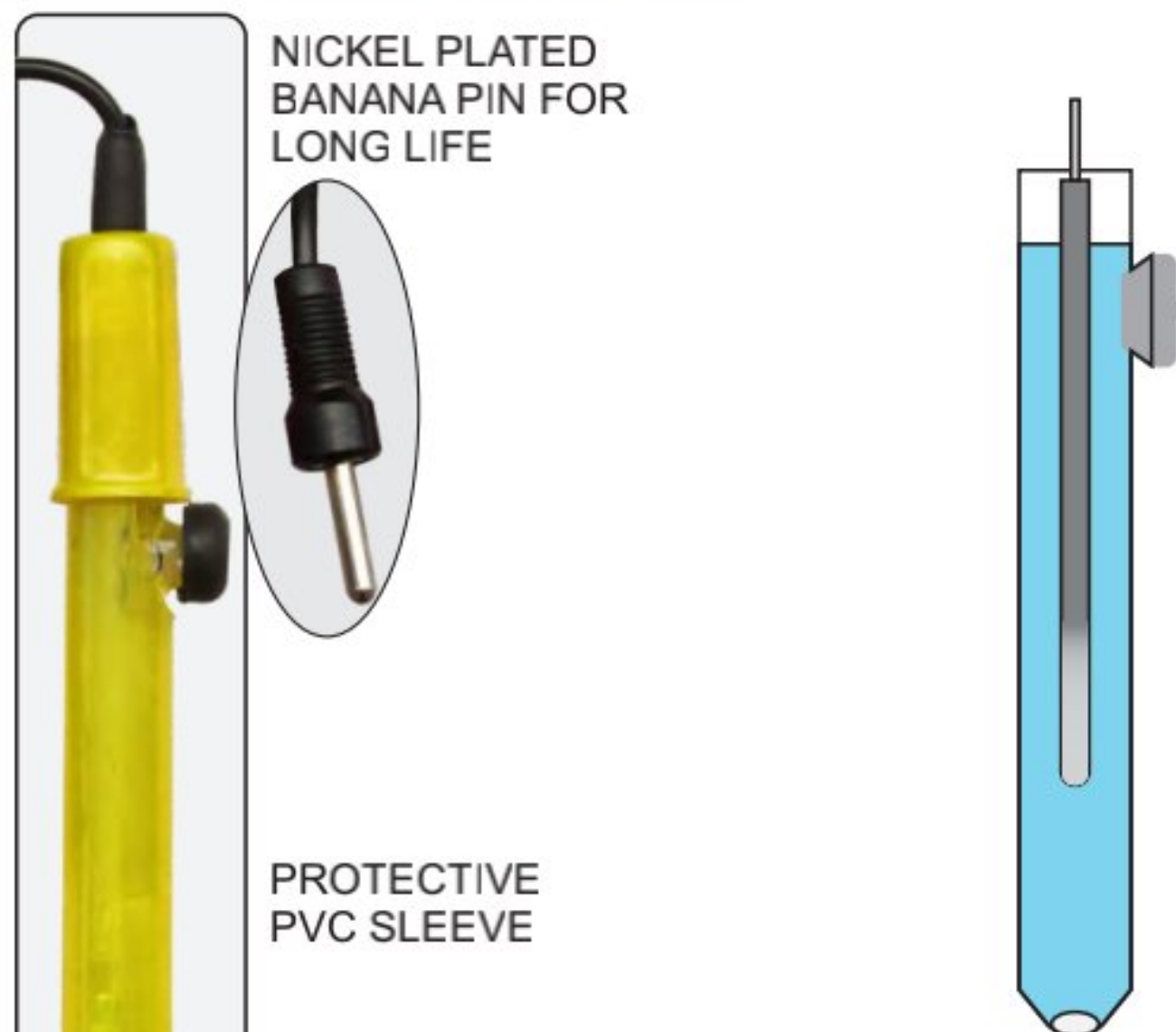
CAN BE USED WITH: EQ-601, EQ-602, EQ-603,
EQ-606, EQ-607, EQ-609, EQ-565



MODEL NO.
EQ-704/
EQ-705

REFERENCE ELECTRODES
UNBREAKABLE PVC SLEEVED
Hg|Hg₂Cl₂(CALOMEL) / Hg|HgO /
Ag|AgCl KCl FILLED

CAN BE USED WITH: EQ-601, EQ-602, EQ-603,
EQ-606, EQ-607, EQ-609, EQ-565

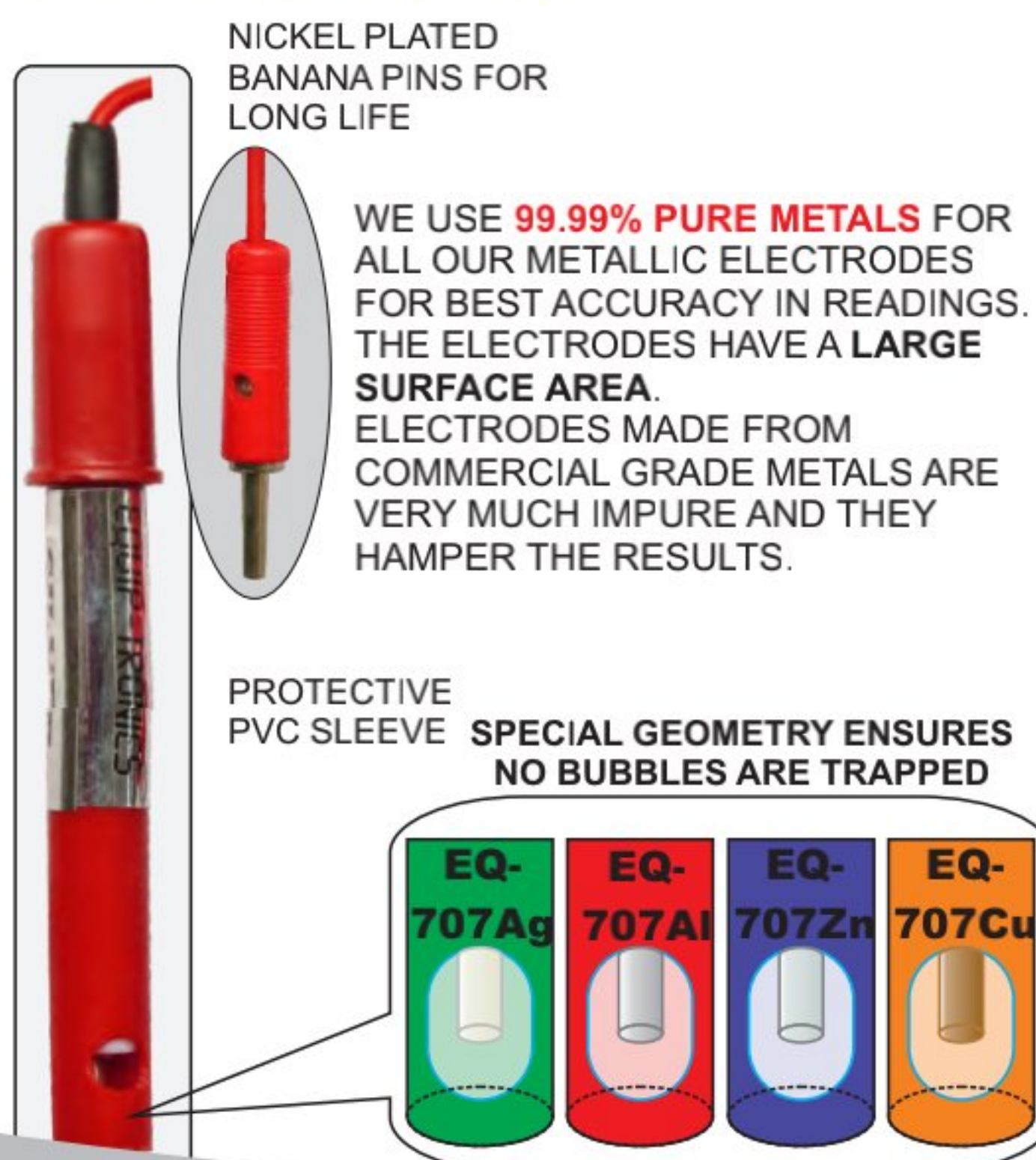


MODEL NO.	ELECTRODE	CONSTANT POTENTIAL
EQ-704	Hg Hg ₂ Cl ₂	+241mV
EQ-705	Ag AgCl	+197 mV
	Hg HgO	+164 mV

MODEL NO.
EQ-707 Ag
EQ-707 Al
EQ-707 Zn
EQ-707 Cu

METALLIC ELECTRODES WITH
99.99% PURE METALS

CAN BE USED WITH: EQ-601, EQ-602, EQ-603,
EQ-606, EQ-607, EQ-609, EQ-565



MODEL NO.
EQ-703 BNC
EQ-703 BP

REDOX ELECTRODE
PLATINUM + REFERENCE (KCl FILLED) COMBINED
UNBREAKABLE PVC SLEEVED

CAN BE USED WITH: EQ-601, EQ-602, EQ-603,
EQ-606, EQ-607, EQ-609, EQ-565, EQ-640, EQ-642

