



Acid-base (Aqueous)

Acid-base (Nonaqueous)

Iodine / Vitamin C

Chloride Ion

Ca / Mg / Hardness

Water Content

Refractive Index

Density Value

KEM SET for Pharma

Simple & Easy Testing



KEM SET for Pharma

Simple & Easy Testing

Convenient
& Popular
7 Models

Preprogrammed
Method

Budget-
friendly

Easy
Operation

All-in-one
Configuration

KEM SET-A/-B/-C

Potentiometric Titrator

Acid-base (Aqueous)

Acid-base (Nonaqueous)

Iodine / Vitamin C

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Ca / Mg / Hardness

KEM SET-D

Water Content

Karl Fischer Moisture Titrator
(Volumetric)

KEM SET-E

Water Content

Karl Fischer Moisture Titrator
(Coulometric)

KEM SET-F

Refractive Index

Refractometer

KEM SET-G

Density Value

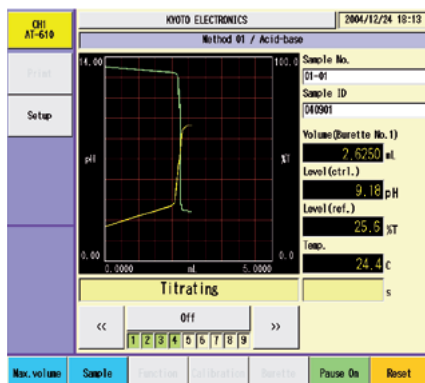
Density Meter

KEM SET-A

High-end Model



AT-610



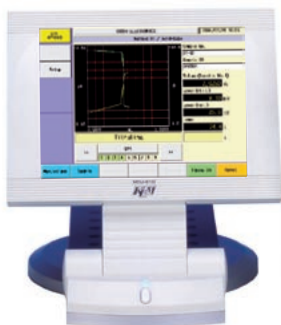
Acid-base (Aqueous)

Acid-base (Nonaqueous)

Iodine / Vitamin C

Chloride Ion

Ca / Mg / Hardness



- BP / EP / JP / USP
- Easy Operation on Touchscreen
- Real-time Titration Curve
- High-precision Burette (100% Burette Inspection)
- GMP, GLP
- Protection Film for Touchscreen
- Display Angle Adjustable
- Incl. Every Necessary Electrode
- Steps for Full Stroke: 20,000 steps

Optional Kits for KEM SET-A

- Recommended consumables for 2 years include:
 - ✓ Protection film
 - ✓ Tubes
 - ✓ Cylinder with 20mL piston (incl. piston head)
- Can be connected with KEM Karl Fischer Titrator
 - ✓ Simultaneous titrations
 - ✓ Coulometric or volumetric



Acid-base (Aqueous)

Acid-base (Nonaqueous)

Iodine / Vitamin C

Chloride Ion

Ca / Mg / Hardness

CE

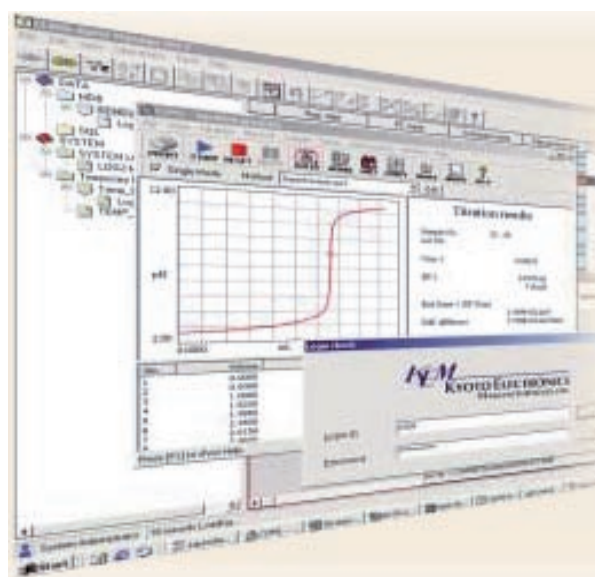
AT-510



KEM SET-B
Popular Model

AT-Win/ER Display

- **BP / EP / JP / USP**
- **Simple Measurement**
- **High-precision Burette (100% Burette Inspection)**
- **GMP, GLP**
- **FDA 21 CFR Part 11-compliant (AT-Win/ER (software) required)**
- **Steps for Full Stroke: 20,000 steps**



Optional Kits for KEM SET-A/-B

- **Multiple Sample Changer (CHA-500-12 / CHA-600-12)**
 - ✓ Up to 12 samples with rinse systems
 - ✓ Easier measurement & time-saving tool



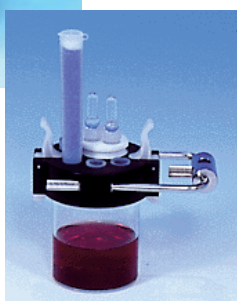
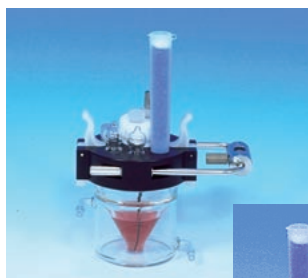
CE

CHA-500-12



CE

CHA-600-12



- **Micro Titration Cell Unit (MTA-118)**
- **Sealed Cell Flask Assembly (SCU-118)**
 - ✓ Useful for measurement of microscale samples
 - ✓ Such as high-cost and/or precious ones

CE

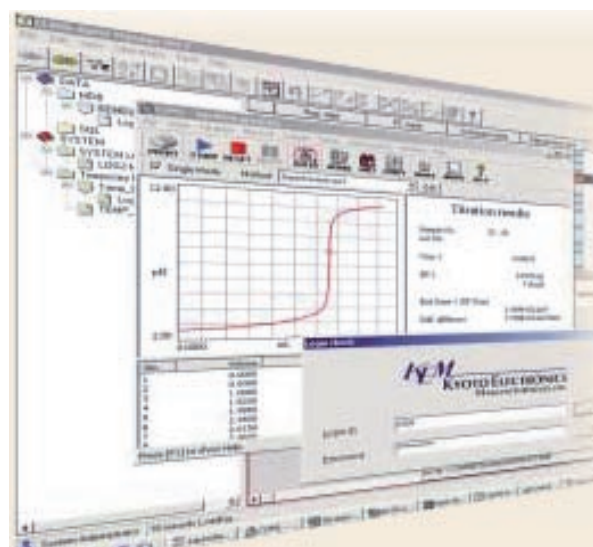
AT-500N

KEM SET-C Low-cost Model



AT-Win/ER Display

- **BP / EP / JP / USP**
- **Easy Operation**
- **Simple Measurement**
- **Budget-friendly Model**
- **High-precision Burette (100% Burette Inspection)**
- **FDA 21 CFR Part 11-compliant (AT-Win/ER (software) required)**
- **Steps for Full Stroke: 20,000 steps**



Electrodes Included in KEM SET-A/-B/-C

1. Acid-base (Aqueous)

98-100-C171 Combined Glass Electrode

2. Acid-base (Nonaqueous)

98-100-C173 Combined Glass Electrode

3. Iodine / Vitamin C

98-100-C272 Combined Platinum Electrode

4. Chloride Ion

98-100-C373 Combined Silver Electrode

5. Ca / Mg / Hardness

Photometric Detector

- Water Content Analyses by Karl Fischer Moisture Titrator
- Volumetric Method

KEM SET-D Water Content

CE

MKS-500



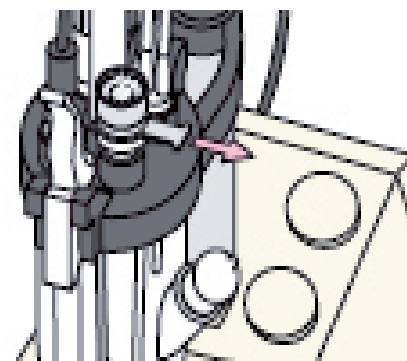
- Range 0.1mg to 500mg H₂O
- Easy Operation
- Simple Measurement
- High-precision Burette (100% Burette Inspection)

- BP / EP / JP / USP

Optional Kits for KEM SET-D/-E



- Sampling Set for Small Amount of Powder
 - ✓ Easier measurement & high accuracy
 - ✓ Prevent entry of moisture in the air during sampling





MKC-501-D



- Water Content Analyses by Karl Fischer Moisture Titrator
- Coulometric Method

KEM SET-E
Water Content

- Range 10ug to 100mg H₂O
- Easy Operation
- Simple Measurement
- BP / EP / JP / USP

Optional Kits for KEM SET-D/-E

- Recommended consumables for 2 years include:
 - ✓ Twin platinum electrode/KF
 - ✓ KF grease (5g)
 - ✓ Silica gel (500g)



- Evaporator (ADP-511S)
 - ✓ Useful for insoluble solid samples
 - ✓ Temp. range: Room temp. to 300 deg C

KEM SET-F

Refractive Index

- Refractive Index Analyses by Digital Refractometer
- Range (nD) 1.3200 to 1.7000
- Sample Temp. 5 to 75 deg C
- Easy Operation on Touchscreen

RA-600



KEM SET-G

Density Value

- Density Value Analyses by Portable Digital Density Meter
- Battery-operated
- One-handed Operation

CE

DA-130N



- Simple Measurement

Optional Kits for KEM SET-F/-G

☺ KEM is world's only manufacturer of both Refractometers or Density Meters and Standard Liquids.

For Density Value



For Refractive Index

www.kyoto-kem.com