



KEM

KEM SET for Petrochemical

Refractive Index

Density Value

Water Content

Acid & Base number

KEM SET

for Petrochemical

Acid & Base number



KEM SET A

Automatic Potentiometric Titrator

ASTM D664

ASTM D2896

Water Content



KEM SET B

Karl Fischer Moisture Titrator
(Coulometric Method)

ASTM D4928

ASTM D6304

ASTM E1064

KEM SET C

Karl Fischer Moisture Titrator
(Volumetric Method)

ASTM D1364

ASTM D4377

ASTM E203

KEM SET D

Density / Specific Gravity Meter
Oscillating U-tube Method

ASTM D1250

ASTM D4052

ASTM D5002

KEM SET E

Portable Density /
Specific Gravity Meter
Oscillating U-tube Method

ASTM D7777

Density Value



Refractive Index



Easy Operation
Preprogrammed Method
Convenient & Popular 6 Models

Simple &
Easy Testing

All-in-one Configuration
Budget-friendly

KEM SET F

Refractometer

ASTM D1218

ASTM D2140



Automatic Potentiometric Titrator **AT-710M**

KEM SET A

- Easy Operation on Touchscreen
- Real-time Titration Curve
- Monitoring Temperature During Titration
- International Standard ASTM, UOP, ISO, JIS etc.



CE

Optional Kits for KEM SET A



CE

- Multiple Sample Changer **CHA-600-12**
12 samples with 2-way rinse systems
Save operation steps



- Rich Line-up of **Electrode**
For Bromine numbers & Bromine index, Mercaptan, Chloride ion, Total hardness of Water etc.



- Exchangeable Burette Unit **EBU-710**
Eliminate the hassle for replacement of titrant & contamination risk

1st burette
(Standard)



2nd burette
(Optional)

- Additional Burette (2nd Burette)
Hassle free & Eliminate contamination risk



Karl Fischer Moisture Titrator **MKC-710B**

KEM SET

B

Coulometric Method

- Measuring Range 10 μ g to 300mg H₂O
- Easy Replacement of KF reagent.
- International Standard
ASTM, UOP, ISO, JIS etc.



Karl Fischer Moisture Titrator **MKV-710B**

KEM SET

C

Volumetric Method

- Measuring Range 0.1mg to 500mg H₂O
- Easy Replacement of KF reagent
- International Standard
ASTM, UOP, ISO, JIS etc.



Unique flexibility

4-ch Concurrent Measurement Saves Time, Space, and Cost

Connecting Automatic Potentiometric Titrator, Karl Fischer Moisture Titrator, enables multiple simultaneous titration operations!



Optional Kits for KEM SET B·C



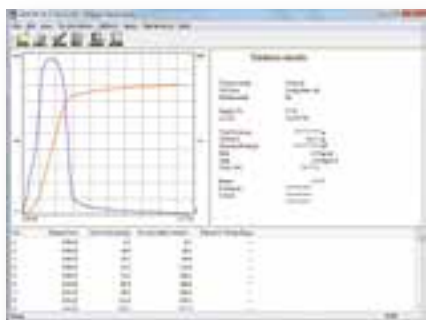
NON-CE

- Evaporator for Oil Samples **ADP-513**
ASTM D6304
For high-viscosity petroleum products



- Karl Fischer Reagent **KEMAQUA** series
For Oils, Fats
For Volumetric & Coulometric method

- Water Standard **KEMAQUA** series
For evaluating the reliability of KF Moisture Titrators



- Windows software for MKC-710B, MKV-710B
KF-Win
Easier operation from your PC
Measurement data saved in your PC



Density / Specific Gravity Meter **DA-645**

KEM SET

D

- Oscillating U-tube Method
- Measuring Range 0 to 3 g/cm³
- Accuracy $\pm 5 \times 10^{-5}$ g/cm³
- Temp. Control: 0 to 96 deg. C
- Viscosity Correction
- Preprogrammed Petroleum Meas. Tables (ASTM D1250)
- International Standard ASTM, UOP, ISO, JIS etc.



CE



KEM is world's only manufacturer of both Density meters and Standard Liquids.

Optional Kits for KEM SET D



- JCSS-accredited Density Standard Liquid
For evaluating the reliability of DA
Pure water, Isooctane, 2,4-Dichlorotoluene etc.



CE

- Auto Clean & Sampling Unit
DCU-55IN/55IH

For high-viscosity samples (Up to 50,000mPa·s)
Easier measurement & Time-saving



CE

- Multiple Sample Changer
CHD-502N/502H/502C

For high-viscosity samples (Up to 50,000mPa·s)
30 samples
Save operation steps

Portable Density / Specific Gravity Meter **DA-I30N**

KEM SET E

- Measuring Range 0.0000 to 2.0000 g/cm³
- Measuring Temperature 0 to 40.0 deg. C
- Accuracy $\pm 1 \times 10^{-3}$ g/cm³
- Battery-operated
- One-handed Operation



Refractometer **RA-600**

KEM SET F

- Measuring range (nD) 1.3200 to 1.7000
- Accuracy (nD) $\pm 1 \times 10^{-4}$
- Temp. control 5 to 75 deg. C
- Easy Operation & Maintenance free
- Abbe meas. scale can be viewed
- International Standard
ASTM, UOP, ISO, JIS etc.

CE



KEM is world's only manufacturer
of both Refractometers and
Standard Liquids.

Optional Kits for KEM SET F

- JCSS-accredited Refractive Index Standard Liquid
For evaluating the reliability of RA



Test Standards for Petrochemical products

Automatic Potentiometric Titrator

ASTM D94 UOP 163

ASTM D511 UOP 209

ASTM D512 UOP 212

ASTM D513 UOP 269

ASTM D664 UOP 304

ASTM D974 UOP 405

ASTM D1067 UOP 565

ASTM D1126 UOP 588

ASTM D1159 IP 177

ASTM D1252 IP 182

ASTM D1832 IP 272

ASTM D2036 ISO 3771

ASTM D2710 ISO 3839

ASTM D2896 ISO 6619

ASTM D3227

ASTM D3242

ASTM D3703

ASTM D4739

ASTM D5776

ASTM D6470

ASTM E1899

Karl Fischer Moisture Titrator (Coulometric Method)

ASTM D4928

ASTM D6304

ASTM E1064

Karl Fischer Moisture Titrator (Volumetric Method)

ASTM D1364

ASTM D4377

ASTM E203

Density / Specific Gravity Meter

ASTM D1250

ASTM D4052

ASTM D5002

ASTM D7777

Refractometer

ASTM D1218

ASTM D2140

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