

Density

27

Chemical Liquid DENSITY METER LQ-5Z-MULTI

TMAH, NaOH, Na₂CO₃, NH₃, H₂SO₄, HNO₃, HCl, Temperature



◆ Possible to measure density of single ingredient by indicating % and g/l

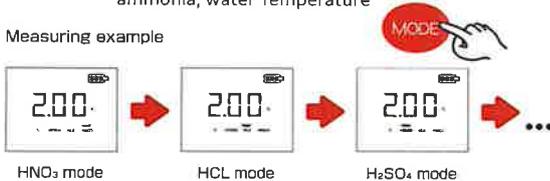
Example) HCl density 1.00% ⇔ 10.0g/l



◆ Possible to measure density of 7 items separately with this meter.

Acid liquid : sulfuric acid, hydrochloric acid, nitric acid
Alkali liquid : TMAH, sodium hydroxide, sodium carbonate, ammonia, water Temperature

Measuring example



HNO₃ mode

HCL mode

H₂SO₄ mode

◆ Specifications

Product Name	Density Meter for single ingredient
Model	LQ-5Z-Multi
Measuring method	Electrode Method (collecting liquid)
Measuring Range	Alkali liquid TMAH : 0.00~5.00%/0.0~50.0g/l NaOH : 0.00~3.00%/0.0~30.0g/l Na ₂ CO ₃ : 0.00~10.0%/0.0~100g/l NH ₃ : 0.00~2.00%/0.0~20.0g/l Acid liquid H ₂ SO ₄ : 0.00~2.00%/0.0~20.0g/l HNO ₃ : 0.00~2.00%/0.0~20.0g/l HCl : 0.00~2.00%/0.0~20.0g/l Temperature : 0~40°C
Liquid temp / range	0~40°C
Accuracy	Within ±2% FS (under same condition)
Power Source	DC 4.5V (alkali battery LR-03×3)
Dimensions / Weight	Meter : Approx 75(W) × 38(H) × 180(D)mm / 290g Electrode : Approx φ17 × 180(L)mm / 50g
Standard Components	Meter, Electrode, Batteries

◆ Acid and alkali proofed Sensor

Possible to measure high density liquid without dilution
No use of reagent for measurement

◆ Usage

Chemical plant, pharmaceutical plant, process of semiconductor and LCD production, density control of washing water and diluted liquid, etc.

Density

28

Chemical Liquid DENSITY METER LQ-5Z series

Chemical-proof electrode type liquid density meter for single ingredient



With this sensor, you can measure liquid density without using any reagent.

◆ Remarks

These meters Measure only liquid Density of single Ingredient. These are not for Measurement of Liquid Density which contains several Ingredients. For Measurement of other Liquid than mentioned above (e.g. Hydrochloric acid, Sodium Carbonate, etc.) we are ready for your requirement.

◆ Specifications

TMAH TMAH Meter

LQ-5Z-TMAH

Measurement
0.00~5.00%
0~40°C



H₂SO₄ Sulfuric Acid Meter

LQ-5Z-H₂SO₄

Measurement
0.00~2.00%
0~40°C



HNO₃ Nitric Acid Meter

LQ-5Z-HNO₃

Measurement
0.00~2.00%
0~40°C



KOH Potassium hydroxide Meter

LQ-5Z-KOH

Measurement
0.00~3.00%
0~40°C



NaOH Sodium Hydroxide Meter

LQ-5Z-NaOH

Measurement
0.00~3.00%
0~40°C



NH₃ Ammonium Sodium Meter

LQ-5Z-NH₃

Measurement
0.00~2.00%
0~40°C

