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DENSITY METER FOR SINGLE INGREDIENT

# LQ-5Z-Multi

TMAH, NaOH, Na<sub>2</sub>CO<sub>3</sub>, NH<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub>, HNO<sub>3</sub>, HCl, Temperature



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

Example) HCl density 1.00% ↔ 10.0g/l

⚠ Impossible to measure liquid density including plural ingredients.



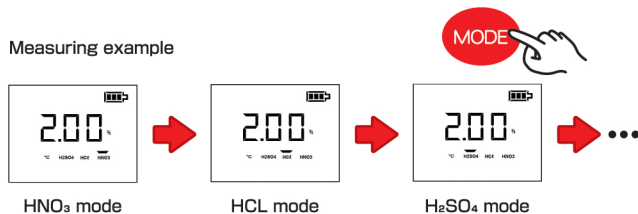
Specifications

Product Name	Density Meter for single ingredient
Model	LQ-5Z-Multi
Measuring method	Electrode Method(collecting liquid)
Measuring Range	<p><b>Alkali solution</b></p> <p>TMAH:0.00~5.00%/0.0~50.0g/l</p> <p>NaOH:0.00~3.00%/0.0~30.0g/l</p> <p>Na<sub>2</sub>CO<sub>3</sub>:0.00~10.0%/0.0~100g/l</p> <p>NH<sub>3</sub>:0.00~2.00%/0.0~20.0g/l</p> <p><b>Acid solution</b></p> <p>H<sub>2</sub>SO<sub>4</sub>:0.00~2.00%/0.0~20.0g/l</p> <p>HNO<sub>3</sub>:0.00~2.00%/0.0~20.0g/l</p> <p>HCl:0.00~2.00%/0.0~20.0g/l</p> <p>Temperature:0~40°C</p>
Liquid temp. range	0~40°C
Accuracy	Within ±2% FS (under same condition)
Linearity	Within ±5% FS (under same condition)
Temp. compensation	Automatic Temperature Compensation
Structure	Water-Proofed based on IP66
Power Source	DC 4.5V(alkali battery LR-03×3) Automatically turns off 30 minutes after last operation.
Electrode	4C type 1m cable(standard)
Dimensions, Weight	Meter : 75(W)×38(H)×180(D) :Approx. 290g Electrode : φ17×180(L)mm: Approx. 50g
Standard Components	Meter, Electrode, Batteries

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



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.

OPTION

Other items than the above, measuring ranges and potassium nitrate, potassium carbonate, sodium chloride, potassium chloride, etc. are also measurable. Ask us for details.

⚠ 1.This meter measures density of only single ingredient  
2:Not density of liquid containing plural ingredients

⚠ 1.This meter measures liquid temperature of single ingredient.  
2.This meter cannot measure liquid density containing plural ingredients.  
3.The picture of the above liquid color is not the real one.

For your information:

TMAH(Tetramethyl ammonium hydride)  
Density of original TMAH which is the main ingredient of organic strong alkali photoresist developing fluid used for semiconductor and LCD production is said to be 25% and diluted liquid,2.4%.