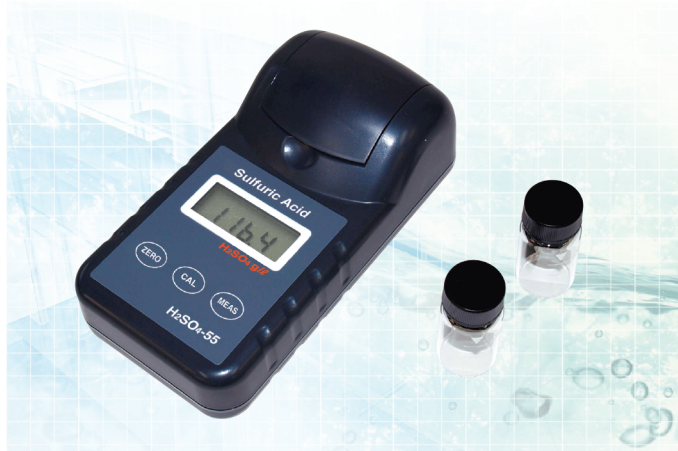
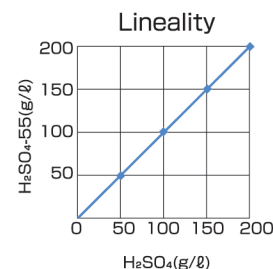


# 32 SULFURIC ACID METER H<sub>2</sub>SO<sub>4</sub>-55

Measurement of H<sub>2</sub>SO<sub>4</sub> Density for Plating & Etching Process Liquid



This Meter directly measures high Density Sulfuric Acid out of Etching Solution etc. Complicated Dilution or Calculation is not necessary. Sulfuric acid Density Meter of Simple Operation. Measuring Object is not Sulfuric Ion but Sulfuric Acid Density.



1 : Possible to measure Sulfuric Acid Density by 0 ~ 199g/l

2 : Colorimetric Measurement of high Density H<sub>2</sub>SO<sub>4</sub> in 1 Min

3 : Simple Operation by just Single Reagent

### Specification

Product Name	Sulfuric Acid Meter
Model	H <sub>2</sub> SO <sub>4</sub> -55
Measuring Method	Light Absorbance Method
Measuring Range	0.0~199.9g/l (H <sub>2</sub> SO <sub>4</sub> )
Display	LCD 3·1/2 digits
Power Supply	Alkaline battery LR03×4(DC 6V)
Outer Dimensions	88(W)×174(D)×65(H)mm
Weight	Approx. 310g
Standard Components	Instrument(H <sub>2</sub> SO <sub>4</sub> -55), Measuring cell(4pcs), Reagent : H <sub>2</sub> SO <sub>4</sub> -RA 500ml(50 tests),Carrying Case, Micro-Pipette 100 μ l
Optional Accessories	Macro-Pipette 10m l

# 33 CHLORIDE ION METER CLCU-55

Possible to measure Chloride Ion Density in copper plating solution without influenced Copper or CuSO<sub>4</sub>



### Specification

Product Name	Chloride Ion Meter	
Model	CLCU-55 (for High Density)	CLCU-55L(for Low Density)
Measuring Method	Chloride Ion Measurement in Copper Plating Liquid	
Measuring Range	0.0~199.9mg/l	0.00~19.99mg/l
Resolution	0.1mg/l	0.01mg/l
Measuring time	Approx. 3 min.	
Power Supply	Alkaline battery LR03×4(DC 6V)	
Outer Dimensions	88(W)×174(D)×65(H)mm	
Standard Components	Instrument, Measuring cell(4pcs), Reagent : CLCU-RA-H 500ml(50 tests), Carrying Case, Micro-Pipette 100 μ l Chloride Ion standard Solution : 50ml	
Optional Accessories	Macro-Pipette 10m l , Filter Paper	

No Titration nor Calculation is necessary, safe Method by Light.

Harmful Potassium Dichromate is not used.

**Q** Why is chloride Ion necessary to be measured?

**A** Too much chloride Ion or short of Chloride Ion in the copper Sulfate Plating Solution greatly affects the gloss and leveling. Therefore, exact Density of Chloride Ion must be measured and controlled.