

# 29 COPPER/NICKEL METER **CuNi-5Z**

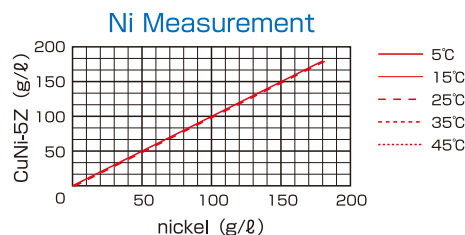
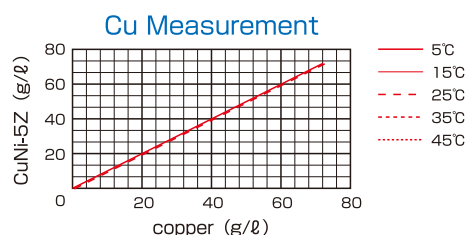
**Cu & Ni Measurement in the Sulfuric Acid Copper Etching, Copper Plating & Nickel Plating Liquid**



This Meter measures PC, PPIC, Density of Copper and Nickel out of the Copper Sulfate Plating Solution, or Nickel Plating Solution in the Field of Electronic Part industry by the Sensitive Absorbance Method.

This is also a very convenient Copper and Nickel Density Meter with Temperature Measurement by Light Absorbance. Liquid Junction is made of PVC and Stainless Steel (PFA treatment on the surface) and of excellent Chemical Resistance

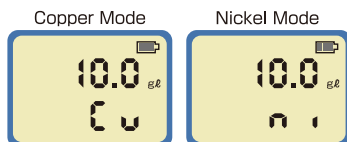
## Linearity & Temp Characteristic



## Measurement of both Copper and Nickel Density with a Single Meter

Measures Density of Both Copper and Nickel by shifting Measuring Mode.

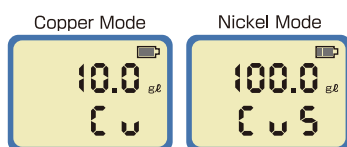
※No measurement if Copper and Nickel exist at the Same Time.



## Possible to measure Copper and CuSO<sub>4</sub> Density with just Single Instrument

Measurement of both Copper Density and Copper Sulfate Density with a Single Meter

Copper (Cu)  
Density 0~80g/l  
Copper Sulfate (CuSO<sub>4</sub>)  
Density 0~300g/l

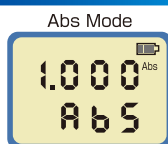


## Possible to measure 6-Items by selecting 6 Mode

Such as Cu, CuSO<sub>4</sub>, Ni, Abs, User Mode, Temperature

## Density Measurement of Copper and Nickel by Absorbance

Density is controlled by Absorbance (Abs).



## Measurement and Calibration by User Mode

Original linearity, Value and Measuring Unit can be set.

e.g. %, mol, g/l



## Measuring Sensor of Copper and Nickel with excellent Chemical-Resistance

Liquid Junction is made of PVC and PFA.

## Specifications

Product Name/Model	Nickel/Copper Meter CuNi-5Z
Measuring Object	Cu & Ni Measurement in Sulfuric acid Copper Etching /Nickel Plating Liquids
Measuring Principle	Absorbance Method
Measuring Range	Cu : 0.0~80.0g/l CuSO <sub>4</sub> : 0~300g/l Ni : 0.0~199.0g/l Abs : 0.000~1.999 Abs User Mode : 0~1999 (Non-Measuring unit) Temp. : 0.0~50.0°C
Accuracy	Within ±2% of F.S. (at constant Condition)
Span Calibration	By Cu or Ni Standard Solution
Self Diagnosis	Battery Check, CAL ERR, ERR etc.
Power Supply	Alkaline Battery LR03×3 (DC 4.5V) Auto Power off after 30 Minutes
Outer Dimensions	Meter : 75(W)×38(H)×180(D)mm
Weight	Approx. 300g
Standard Components	Meter(CuNi-5Z), Detector(CUD-61 with 2m Cable) Transparent Plastic Cover, Carrying Bag, Instruction Manual, Guarantee, Measuring Vessel Strap, Brush, Alkali AAA batteries(LR03×3)
Optional Accessories	Copper standard solution 250ml

## Detector

Product Name	Copper / Nickel Detector
Model	CUD-61(For high Density)
Material	PFA, PPS, or PVC, etc.
Measuring Temp.	0 ~ 50°C
Dimensions & Weight	φ40×250mm, Approx. 500g
Cable	2m