30 CU-502 Copper Monitor

Measurement of Copper Density of Cu plating Process, Copper sulfate etching Solution, etc.

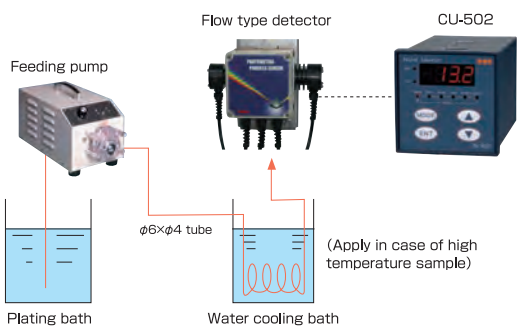
In-line type Detector
CUD-3F

Probe-type Detector
CUD-3P/10P-LQ
(W/Flow type holder)

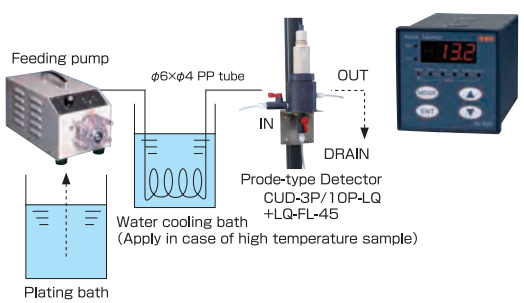
Probe-type Detector
Cleaning by brush

Measuring Diagram

A:Flow type system①



B:Flow type system② (Probe type detector)



Meter

Product name	Copper Density Monitor of the plating Solution
Display	LED red 3 digits standard(or 3·1/2 digits:$CuSO_4$)
Measuring range	Copper density:0.0~80.0g/ℓ Cu(standard) :0.00~19.99g/ℓ Cu(low densityoptional) Copper sulfate density:0~300g/ℓ $CuSO_4$(optional)
Resolution	Cu:0.1g/ℓ(FS:0~80g/ℓ)standard 0.01g/ℓ(FS:0~20g/ℓ)
Accuracy	Within ±2%(FS)
Transmission output (High Density)	DC4~20mA(isolated type) 3 range manual switch Cu:0~20/0~50/0~80g/ℓ Cu(standard) $CuSO_4$:0~100/0~200/0~300g/ℓ $CuSO_4$(option)
Contact point output	High & Low each a, b contact point(no-voltage)
Hold output	Current output and contact point output can be held by non voltage contact point signal from outside.
Span Calibration	By copper standard solution
Temp. compensation	Automatic control by semi-conductor temperature element.
Power source	AC85~240V, 50/60Hz
Standard components	Indicating converter, detector(optional), calibration container(in case of probe type)×1

Detector

Model		High density (FS:0~80g/ℓ)	Low density (FS:0~20g/ℓ)
	① Probe type	CUD-3P-LQ	CUD-10P-LQ
	② In line type (60℃ or less)	CUD-3F	CUD-10F
Measuring method	Light absorbance method		
Cable length	6m standard		
Material of liquid junction	① high density probe type:PPS, PVC, Quartz, FKM ② low density probe type:PPS, Quartz, PVC, FKM ③ Flow type:PPS, Quartz, PP ,FKM		
Condition	Sample temperature:0~40℃ or less(probe type) 0~60℃ or less(in-line type)		
Fixing	50A fixing pole or fix on the wall(in-line type)		