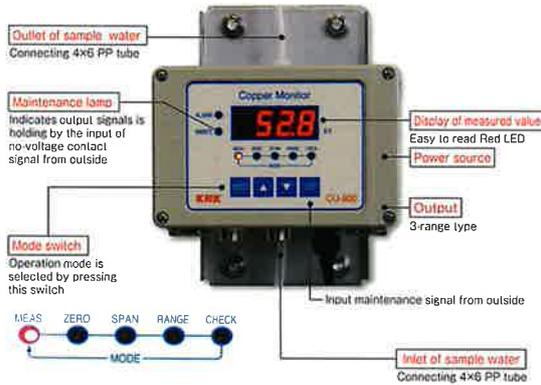
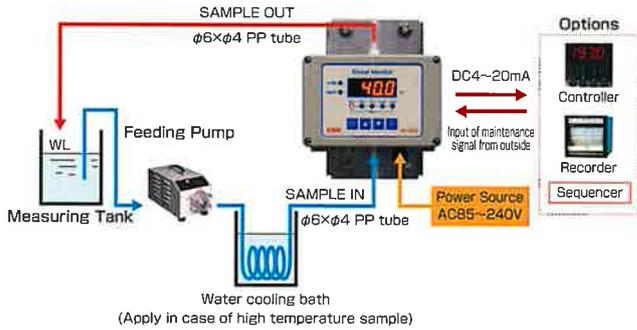


Copper (Cu)

32 CU-800

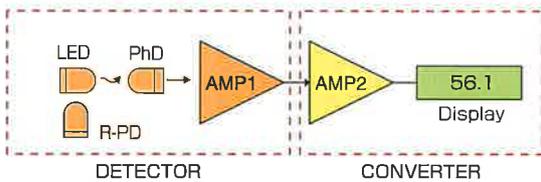
Copper Monitor (0~80g/l Cu Measurement)

Measuring System



Measuring Theory

LED from light source, photo cell at receiver, signal related to the density from density sensor formed at optical windows, etc. are amplified at converter and digitally displayed. Also, in order to prevent deterioration of sensor LED and influence by temperature change, it has automatic temperature compensation system, and correctly measures density of plating solution.



Outline

This is a In-Line type Copper Density Monitor which continuously measures Copper density such as copper sulfate plating solution, copper etching solution, etc. And installation, Calibration and Maintenance is easy because detector and indicating converter are unified.

Density signal from the meter is connected to various kind of controller and is controlled to be appropriate copper density.

Meter

Product name	Copper Density Meter of Copper plating solution																
Display	LED red 4 digits																
Model (instructed)	CU-800(for High Density Measurement) CU-800L(for Low Density Measurement)																
Measuring range	CU-800(High) :0.0~80.0g/l(Cu) CU-800L(Low):0.00~20.00g/l(Cu)																
Resolution	① 0.1g/l(high density), ② 0.01g/l(low density), ③ 1g/l(copper sulfate)																
Transmittal output	DC4~20mA(isolation type), load resistance 250~500Ω, Std. <table border="1" style="margin-left: 20px;"> <thead> <tr> <th></th> <th>Cu(high) FS:80g/l</th> <th>Cu(low) FS:20g/l</th> <th>Cu sulfate FS:300g/l</th> </tr> </thead> <tbody> <tr> <td>Range 1</td> <td>0~80</td> <td>0~20</td> <td>0~300</td> </tr> <tr> <td>Range 2</td> <td>0~50</td> <td>0~10</td> <td>0~200</td> </tr> <tr> <td>Range 3</td> <td>0~20</td> <td>0~5</td> <td>0~100</td> </tr> </tbody> </table>		Cu(high) FS:80g/l	Cu(low) FS:20g/l	Cu sulfate FS:300g/l	Range 1	0~80	0~20	0~300	Range 2	0~50	0~10	0~200	Range 3	0~20	0~5	0~100
	Cu(high) FS:80g/l	Cu(low) FS:20g/l	Cu sulfate FS:300g/l														
Range 1	0~80	0~20	0~300														
Range 2	0~50	0~10	0~200														
Range 3	0~20	0~5	0~100														
Accuracy	Within ±2% of F.S																
Ambient temperature	0~40°C																
Hold function	DC output 4~20mA by inputting no-voltage contact point signal from outside																
Power voltage	AC100/110V 50/60Hz, Cable 5m, with plug, standard ※In case of 200~240V or cable extension, instruction in advance is appreciated because Y terminal treatment is applied without 3p plug																
Weight	About 2kg																

Cu Detector

Model	High density: CUD-3C Low density: CUD-10C
Method	Light Absorbance Method, In-line type measurement
Material	PPS, Quartz, PP
Sample condition	Sample pressure :0.2 MPa or less Sample temperature:80°C or less
Pyping	PP tube(φ6×φ4)
Installation	Pole or fix on the wall(SUS-304 fixing board is standard)
Std. component	Detector and indicating converter are unified. Pole fixing board (SUS-304), PP tube (3m), Power cable 5m, Current output signal cable 5m, Hold signal cable 5m, Handling Instruction, Written Guarantee
Optional ACCS.	exclusive plug, cable with connector (max, 10m), Standard solution for calibration, relay box, extension cable, Feeding pump for supplying liquid (Tell us power source and frequency)