

Electro copper plating
solution automatic controller

METIS-7000

H_2SO_4, Cu, Cl

Features

- Metis-7000 H_2SO_4, Cu, Cl is an electro copper plating solution automatic controller. It can analyze sulfuric acid (H_2SO_4), copper sulfate (Cu) and chlorine (Cl) concentration which are active components of processing solution used for electro copper plating process and replenish (output signals for replenishment) supply solution automatically.
- Can maintain high analysis accuracy by washing sensors every after analysis cycle ends.
- Can perform the optimum control of analysis and replenishment by simple parameter change.
- Easy to integrate into specification of production line.
- Contribute to cost down by reducing amounts of use of process solution and labor costs for analysis and replenishment.

Specification

Function

Control items/ analysis method	1. H_2SO_4 concentration / neutralization titration (analysis accuracy $\pm 2.0\%$) 2. Cu concentration/ absorptiometry (analysis accuracy $\pm 2.0\%$) 3. Cl concentration / precipitation titration method (analysis accuracy $\pm 3.0\%$)
Replenishing	Controlling replenishing pump from analysis result. ※Replenishing system needs mutual consultation about conditions at processing line.
Cycle time	About 30 minutes ※cycle time depends on solution's condition such as concentration.



Image picture

Specification

Dimension / Weight (body)	W385 × H470 × D455(mm) / 30kg
Dimension / Weight (Footstool)	W465 × H930 × D425(mm) / 15kg
Power supply	AC100V ($\pm 10\%$)、60/50Hz、3P Plug+ Ground (separated ground line needed for equipped computer)
Power dissipation	200VA(max)

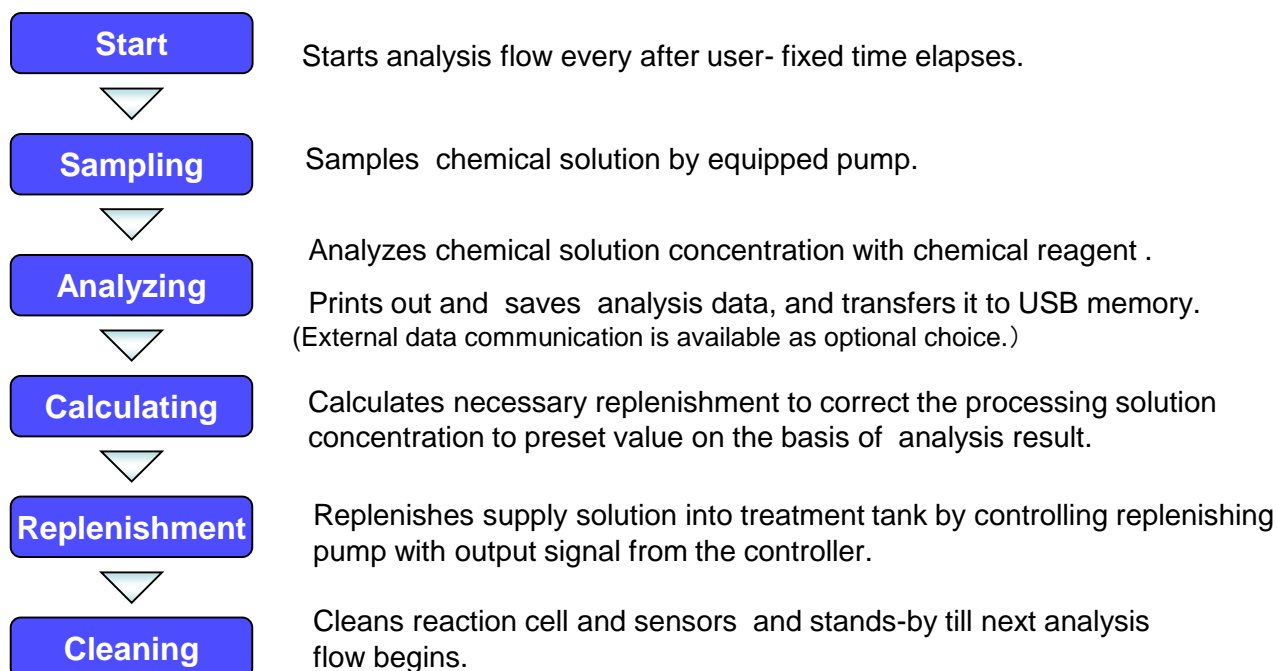
■Option (Below is just some example for your consideration. If you have requests, please feel free to contact us.)

Replenishing unit	Replenishing pump, tank, replenishing hose, liquid level sensor, etc.
Alarm	Patrol light, various signal towers.
Data communication	CC-Link、RS-232C、RS-485、4-20mA communication、external control, etc.

System summary



Automatically analysis flow



Note1) Please use our designated genuine parts or reagents for maintenance and running in order to prevent unexpected troubles.

Note2) Please be notified that we may change the specification or appearance of the controller for improvement without notice.

Note3) So as to maintain analysis accuracy, we recommend periodical maintenance or adjustment by our skilled engineer. (out of warranty)

For inquiry contact



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