

Catalyst chemicals
automatic controller

METIS-7000

Pd
Fe

Features

- Metis-7000 Pd is a catalyst chemicals automatic controller. It can analyze palladium concentration which is active component of processing solution used for catalyst treatment at production line of printed wiring boards and replenish (output signals for replenishment) supply solution automatically.
- Can also analyze Cu concentration* which are increased by processing treatment and helps you to control the usage of process solution more efficiently. (*needs request and consultation)
- 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	Palladium concentration / absorptiometry (analysis accuracy $\pm 2.0\%$) ※can analyze Cu concentration(at advisory level) on user's request.
Replenishing	Controlling replenishing pump from analysis result. ※Replenishing system needs mutual consultation about conditions at processing line.
Cycle time	About 10-30 minutes ※Cycle time depends on types of the solutions.



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)

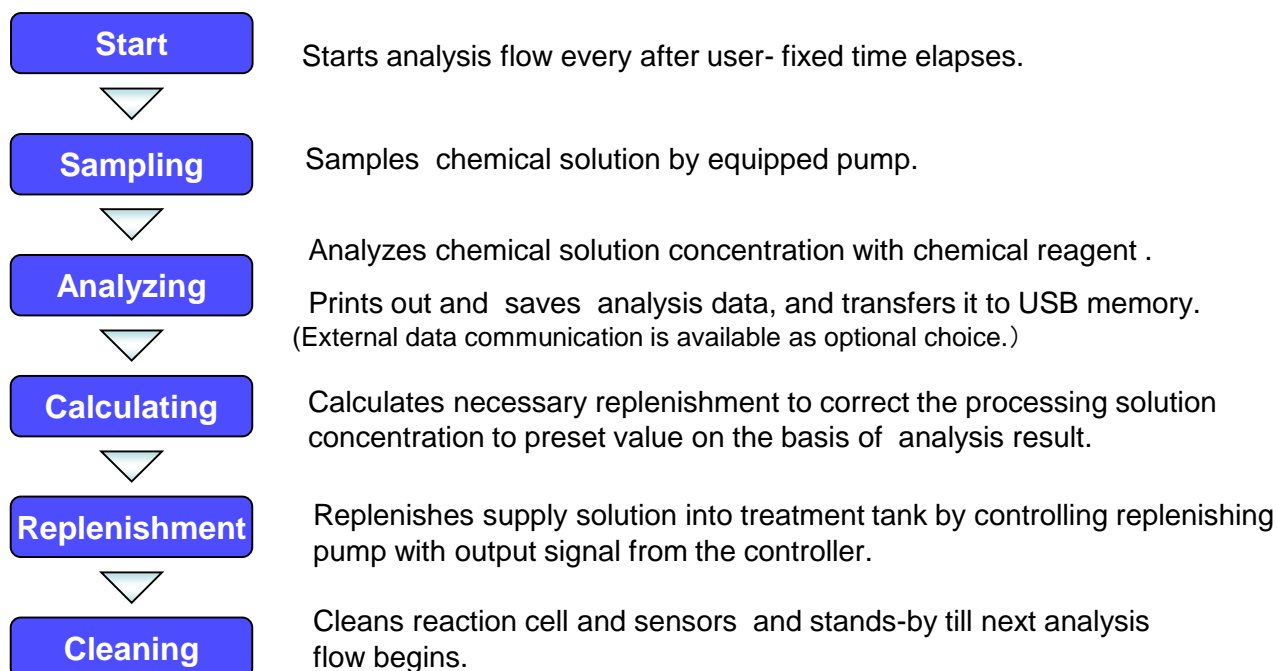
■Option (Below is just some example for your consideration. If you have requests, please feel free to contact us.)

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



ISHIHARA CHEMICAL CO., LTD.

Head Office	5-26 Nishiyagiwara-cho, Hyogo-ku, Kobe-shi, Hyogo 652-0806, Japan	Phone+81-78-682-2307(Direct)
Tokyo Branch	2-26-11 Taito, Taito-ku, Tokyo 110-0016, Japan	Phone+81-3-3832-8037(Direct)