ISHIHARA CHEMICAL

Ne

Zinc plating solution automatic controller

7-11

METIS-7000

Features

- Metis-7000 Zn, NaOH is a zinc plating solution automatic controller. It can analyze zinc concentration (Zn) and sodium hydroxide concentration (NaOH) which are active components of processing solution used for zinc plating (zincate bath) at surface treatment processing line and replenish (output signals for replenishment) supply solution automatically.
- Can also handle zinc concentration analyzing in electro alloy plating solution*. (*needs 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

FunctionControl items/
analysis method1. Zn concentration / chelatemetric titration
(analysis accuracy ±3.0%)
2. NaOH concentration / neutralization titration
(analysis accuracy ±2.0%)

Replenishing	Controlling replenishing pump from analysis result. %Replenishing system needs mutual consultation about conditions at processing line.
Cycle time	About 30 minutes



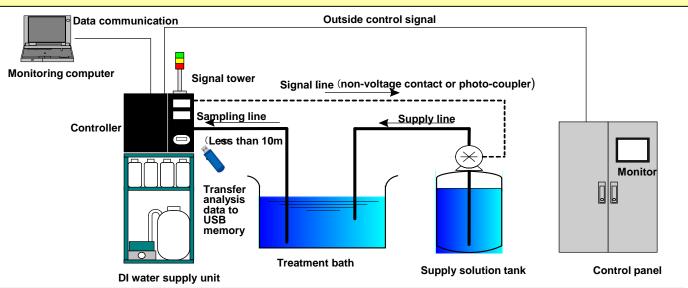
Image picture

Specification

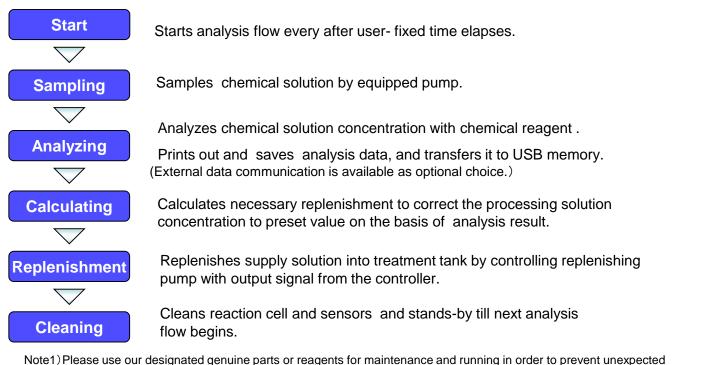
Dimension / Weight	W385 × H470 × D455(mm) / 30kg	
Dimension / Weight (Footstool)	W465 × H930 × D425(mm) / 20kg	
Power supply	AC100V(±10%), 60/50Hz, 3P Plug+ Ground (separated ground line needed for equipped computer)	
Power dissipation	200VA(max)	
Option (Below is just some example for your consideration. If you have requests, please feel free to contact us.)		

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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