ISHIHARA CHEMICAL

Development solution automatic controller



METIS - 7000

Features

- Metis-7000 TMAT is a development solution automatic controller. It can analyze monoethanolamine (MEA) concentration which is active component of process solution used at production line of flat panels 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	 pH value / grass electrode method MEA concentration / neutralization titration (analysis accuracy ±2.0%)
Replenishing	Controlling replenishing pumps based on analysis result. %Replenishing system needs mutual consultation about conditions at processing line.
Cycle time	About 10 minutes



Image picture

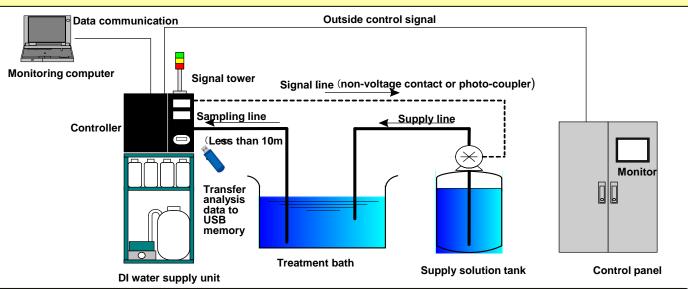
Specification

Dimension / Weight	W385 × H380 × D425(mm) / 30kg
Dimension / Weight (Footstool)	W465 × H930 × D425(mm) / 15kg
Power supply	AC100V(±10%), 60/50Hz, 3P Plug+ Ground (separated ground line needed for equipped computer)
Power dissipation	220VA(max)

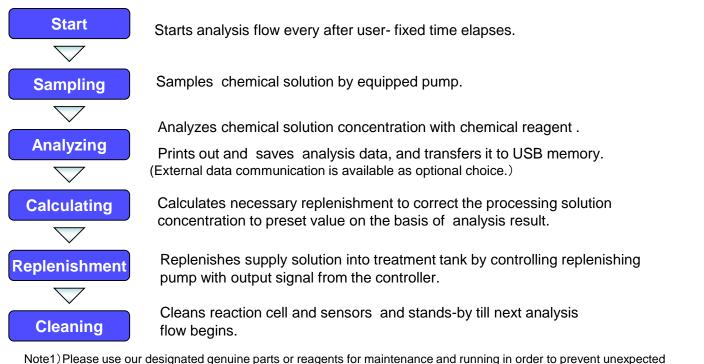
Option (Below is just some example for your consideration. If you have requests, please feel free to contact us)

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



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



Head Office5-26 Nishiyanagiwara-cho, Hyogo-ku, Kobe-shi, Hyogo 652-0806,
JapanPhone+81-78-682-2307(Direct)Tokyo Branch2-26-11 Taito, Taito-ku, Tokyo 110-0016, JapanPhone+81-3-3832-8037(Direct)