

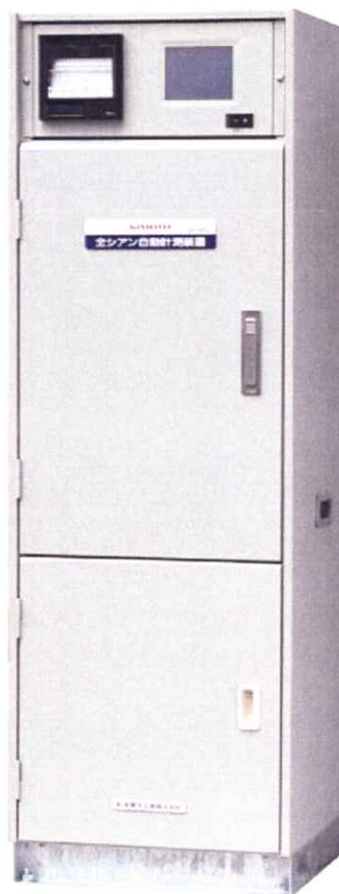
TOTAL CYANIDE ANALYZER

VS-3910

Automatic analyzer of total Cyanide concentration in the water is used for the water quality control of the environmental water control and the process control. This analyzer is used for the continuous monitoring device of Cyanide ion. To measure Cyanide ion, the gasification of ion produced by decomposition of cyano complex by UV radiation is done under acid state at first, and then CN ion separated by the gas permeation membrane is measured by the MS type polishing ceramic electrode which is our original electrode.

FEATUTES

- This is optimum for the real time watch of Cyanide by the fast reaction to the total Cyanide and the continuous measuring method.
- The complex decomposition by UV radiation and the gas permiation seperatin method. (There is no possibility to break the heating vessel and the splash of the acid like as the heating distilling method.)
- It is possible to measure only free Cyanide without UV radiation.
- The magnetic stirrer (MS) type polishing electrode is used in the detector unit, so the accurate measuring for the long time is realized.
- By the temperature control of the detector unit, the reaction of the reagent and the response of the electrode is stabilized.
- The linear scale or the logarithm scale for the recorder output and the telemeter output is selectable.
- By the auto washing function controlled by the CPU, the washing at arbitrary time is possible, so the close of the sample line by the dust is prevented.
- By the large LCD touch panel type display, the operation is easy.



SPECIFICATIONS

General item

Name	Total Cyanide analyzer
Model	VS-3910
Measuring item	Total cyanide in environmental water
Size	about W500×D450×H1500mm
Weight	about 85kg
Power	AC100V±10V 50/60Hz
Power consumption	about 200VA(Max 350VA)
Device type	SPCC steel type box
Installation type	Indoor type
Running condition	Temp. : 0~40 degrees Centigrade. RH : less than 90%

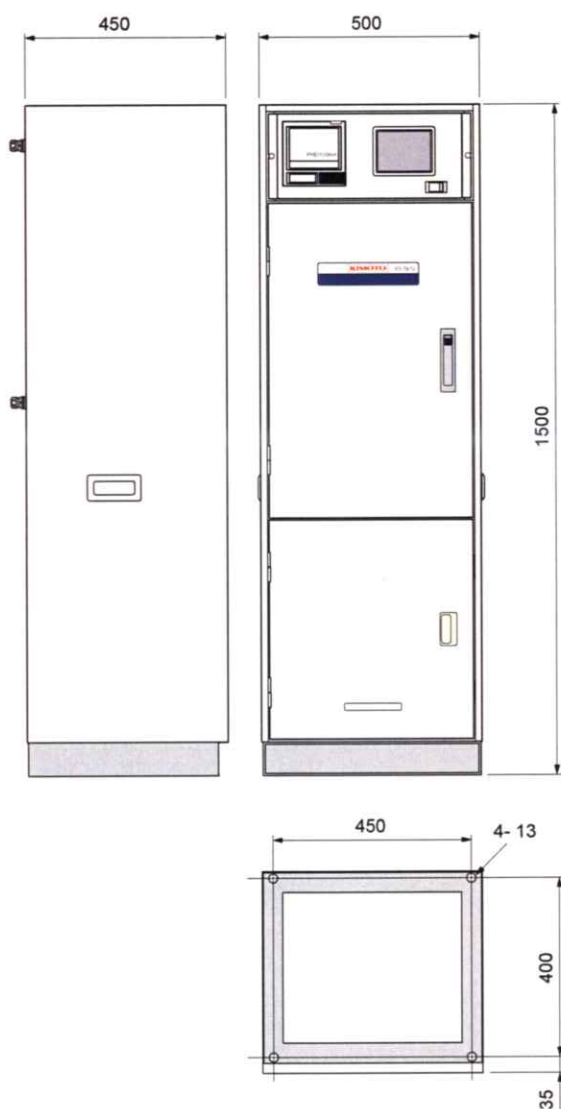
on Measuring

Measuring method	Complex decomposition method by UV radiation - Gas permeation separation method.
Detection Method	MS type polishing ceramic Cyanide electrode.
Measuring range	0.01~10mgCN/L.
Repeatability	within +- 0.1pCN(within ±0.2mgCN/L at 1.0mgCN/L).
Stability	Zero drift +-0.1pCN/8 hours. (within ±0.02mgCN/L at 0.1mgCN/L) Span drift +-0.1pCN/8 hours. (within ±0.2mgCN/L at 1.0mgCN/L)
Linearity	less than 0.06mgCN/L at +- 0.1 pCN(0.3 mgCN/L).
Response speed	less than about 20 min. (after introduction , for 90% response)
Auto wash cycle	Selectable within 1-99 hours or within 1-99 days.
Auto wash time	1 -10 minutes.

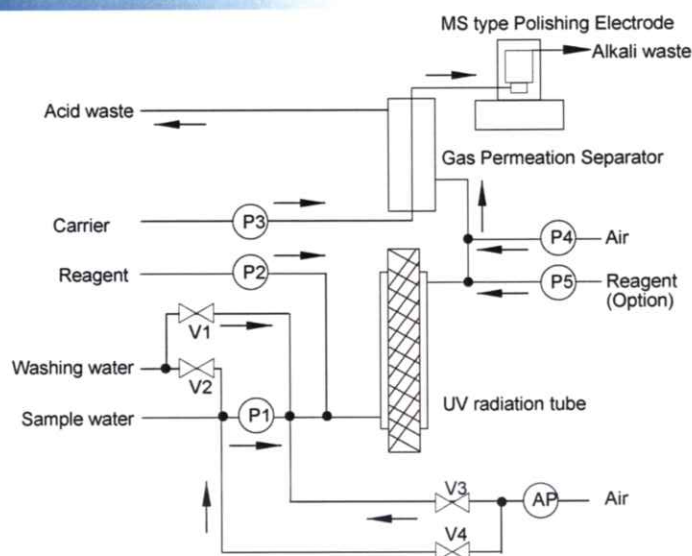
IN-Output

Display	Touch panel type Large LCD display	Concentration output	0~10 mgCN/L DC 0-1V
	Total CN Conc., YearMonthDayHour, Measuring signal and Measuring parameter etc.		DC 4-20 mA (Option)
Recorder	Available paper width 100 mm	Condition output	Power Down, in Maintenance, Sample out, Conc. alarm, Temp. abnormal.
	Feed speed 20 mm/hour (standard) changeable to (10 mm/hour)		Contact DC 10W, 100 Vmax, 0.25 Amax

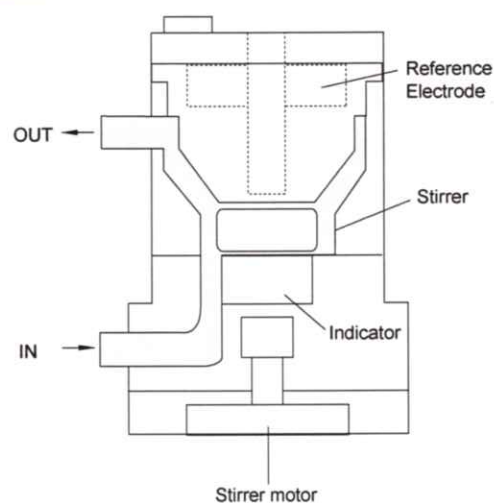
Outer View



Flow Diagram of Detector Unit



MS Type Polishing Electrode



KIMOTO

KIMOTO ELECTRIC CO., LTD.

543-0024
3-1 Funahashi-cho, Tennouji-ku, Osaka
TEL: +81-6-665-8773, FAX: +81-6-664-7040.
Web site: <http://www.kimoto-electric.co.jp>, E-mail: sales@kimoto-electric.co.jp.