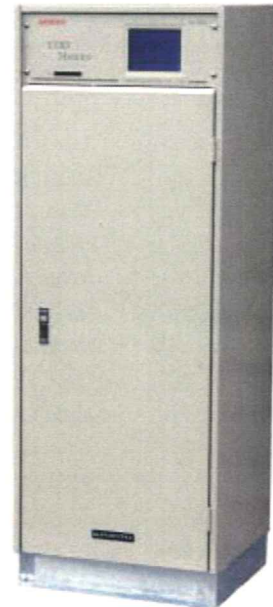


KIMOTO

COD Analyzer

VS-6020

This COD analyzer, VS-6020 is to measure and record COD concentration of the river, the lake, the pond, the sea area or the drainage. This analyzer's measuring method is based on [JIS K0806 (The COD (Chemical Oxygen Demand) automatic analyzer)] , and this continuous analyzer is controlled by the inner computer. By connecting the flow meter, the pollution load is calculated automatically, in relation to the total regulation decided by the water quality protection law.



FEATURES

1. JIS K0806.

This analyzers measuring method is based on JIS K0806 (COD automatic analyzer).

2. Low cost.

The reagent consumption and the waste becomes to 1/20 compared with our old type, and the running cost is low.

3. Temperature control.

The temperature of the reaction solution is controlled through the oil bath's temperature control. This temperature control method not effected by the operating temperature is very stable.

4. Washing function.

The washing of the sampling line by the water or the air keeps the line clean.

5. Large touch panel.

The easy user interface is performed by using the conversation type operation program and the large touch panel LCD.

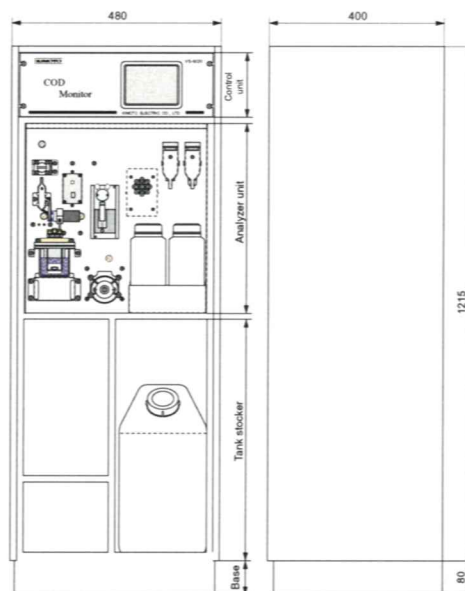
6. Data logging.

The 70 days data can be pooled in this device. The data, the alarm history and the measuring information can be taken out by connecting with personal computer through the connection cable (option).

SPECIFICATIONS

Measuring method	Acid or Alkaline KMnO_4 method at 100 degC. (by JIS K0102)
Measuring range	0 - 20 / 100 / 200mg/L
Repeatability	within $\pm 5\%$ of the full scale.
Stability	Zero drift : within $\pm 5\%$ ppm of the full scale.(at the standard solution measuring,) Span drift : within $\pm 5\%$ ppm of the full scale.(at the standard solution measuring,)
Heating method	Temperature Control by the oil bath.
Terminal detection	by the oxidation-reduction potential method using the platinum.
Measuring interval	1 measuring per 1 hour.
Display	Touch panel LCD.
Interface	Time, concentration, input signal, running situation, set value, message etc.. 10 Base-T.
Reagent consumption	Analog output, 10 Base-T, Telemeter in-output, (RS-232C, Serial recorder output.) N/40 KMnO_4 solution 2.6L/30 days N/40 $\text{Na}_2\text{C}_2\text{O}_4$ solution 1.2L/30 days (1+2) H_2SO_4 solution 0.8L/30 days AgNO_3 solution 0.7L/30 days (only for the acid method.) 1N NaOH solution 0.7L/30 days (only for the alkaline method.)
Power	AC100 $\pm 10\%$, 50/60Hz (Single phase)
Power consumption	about 300VA (in general), 400VA(MAX).
Operation temperature	2 - 40 degC, The sampling water should not be freezed.
Operation humidity	Less than 85%RH, not dewed
Size	480(W) x 400(D) x 1295(H) mm
Weight	about 60kg

MEASUREMENT



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Note) Specifications are subject to change without the notice for the improvement.