

COD-EC500 On-line Water Analyzer

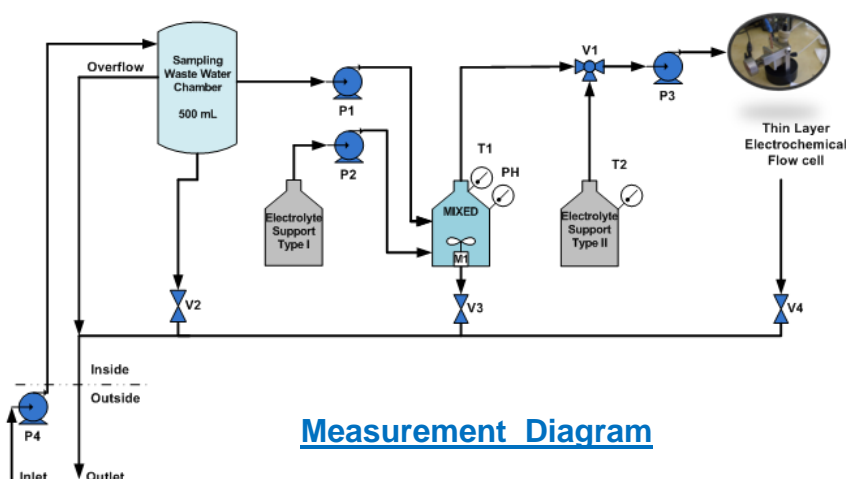
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ECO-Sensing



Method of measurement:

ECO-Sensing COD-EC500 Analyzer is a chemical oxygen demand (COD) sensor employing a stopped-flow thin layer electrochemical cell. The coulometric charge required for exhaustive electrolysis of samples was measured and correlated with the COD evaluated by the standard COD laboratory method. A single measurement took about 15 minutes, much less than the two hours required in the conventional method. Linear sweep voltammetry was performed using both real samples and standard compounds



❖ Specification

Measurement Method :

Stopped-Flow Thin Layer Electrochemical

Equipment Type:

Analyzer Box with Graphic Display

Measurement Range:

0-1,000 mg/L

Accuracy:

±15 % of span measurement.

Analysis Time:

Max. 15 min / sample.

Calibration Range:

Linear

Sampling characteristics:

PH 4-12 pH
Temperature 0-60 C
Sampling Flow 0.1-5 L/min. (Maximum)

Display/ Processor:

7" Touch Screen , 800x480 Resolution / ARM9 533 MHz.

Memory:

64 MB SD RAM, Expansion SD CARD up-to 2GB.

Analog Output:

4 Channels 4-20 mA, 16Bits Resolution , Loop currents 2 Wire.

Digital Output:

Output relay 10A ,4 Channels

Data logger:

COD Data 15 min/Record, Max. 2 Years

Communication:

2 Serials RS232
1 Serials RS485 Modbus Protocol
Ethernet modbus over TCP/IP (Option)
Wireless (Option)

Power Supply:

115/230 VAC 50/60Hz

Power Consumption:

Max 150 W.

Analyzer Case:

Stainless Steel 304 , 600x1000x350 mm.

Pipe Size:

Input (sampling) : 1/2 " Stainless Steel
Output (Drain) : 1/2 " Stainless Steel



Mobilis Automata Co.,Ltd.

50/136 Moo 7, Klong 2 , KlongLuang Pathumthani 12120
Tel: 0-2153-4526 , Fax: 0-2153-4525, www.mobilis.co.th