

Portable Suspended Solids Indicator



The suspended solids Indicator (Model: IPM) is a state of the art, easy to use meter that provides many benefits to the plant operations staff. It is a unique system that combines advanced electronics with a solid-state, optical sensor. It is a multi-range indicator designed for the measurement of suspended solids in aqueous solutions. The microprocessor-based electronics of the indicator provide a high degree of flexibility and ease of use. Data logging and the ability to download the data directly to a computer are optional features.

The Indicator uses the sensor, which operates on the principal of single gap light absorption as the means of determining the concentration of suspended solids. The sensor was specifically designed for solids concentrations typically found in aeration basins (1000 mg/L to 5000 mg/L) and RAS streams (7000 mg/L to 20,000 mg/L) of wastewater treatment plants. There are independent calibration points for each. sensor was designed to measure very low solids concentrations typically found in secondary clarifier and plant effluents. The sensor utilizes an infrared emitter to minimize colour effects and compensates for emitter variations due to temperature by measuring source brightness.

Specifications:

- Measuring range: 250 to 30,000 mg/L
- Accuracy: $\pm 5\%$ of reading or ± 100 mg/L, whichever is greater
- Sensitivity/Resolution: 1 mg/L below 1000mg/L
- 10 mg/L between 1,000 and 9999 mg/L
- 100 mg/L above 10,000 mg/L
- Repeatability $\pm 0.5\%$
- Sensor drift: Less than 1% per year
- Temperature range: 0 to 65 deg C
- Sensor check: Automatic self diagnostics
- Output: RS232 serial
- Memory back up: Yes
- Display: LCD graphic display with UV protection,
- Sensor cable length: 20 feet
- Ambient Temperature: -40 to 55 deg C
- Ambient Humidity: 0 to 100%

Features:

- Infrared Sensor Technology
- Data logging
- Serial Interface to Computer Spread sheet
- Independent Calibration for MLSS & RAS
- Large, Backlit Graphical Display
- Water proof
- Rechargeable Batteries
- Real Time Clock

Benefits:

- Eliminates Need for Daily Lab Analysis
- User Friendly
- Data logging with direct downloading to your PC
- Real Time SS Concentrations for Process Control



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Represented by:

**** Drawing / specifications are subjected to change at any time without prior notice as per manufacturing suitability.**