



## PRODUCT DESCRIPTION

The Model 950 is an innovative suspended solids monitor that utilizes an insertion-type sensor. A submersible sensor is available for open channel applications. Since the sensor can be inserted in any size pipe, costly by-pass systems are not required. The design eliminates the effects of fluid color. In-situ measurements provide instantaneous accurate readings and a choice of isolated linear outputs is supplied as standard.

## FEATURES

- Wide dynamic range
- In-line measurements assure maximum accuracy
- Hot-tap installation permits uninterrupted flow
- Linear-isolated output
- Optional alarms, battery power
- Use in any size pipe
- High accuracy and reliability
- Insensitive to visible colors, flow, temperature & pressure
- One-year limited warranty

## PRINCIPLE OF OPERATION

The Model 950 suspended solids monitor uses a pre-focused incandescent lamp to direct a beam of light through the process fluid. Particulate matter in the fluid absorbs light in proportion to particulate concentration. The transmitted light is detected by a silicon detector which generates a current signal proportional to the particulate concentration. The electronic signal converter amplifies and scales the current signal to provide a readout on a meter and an isolated output signal.