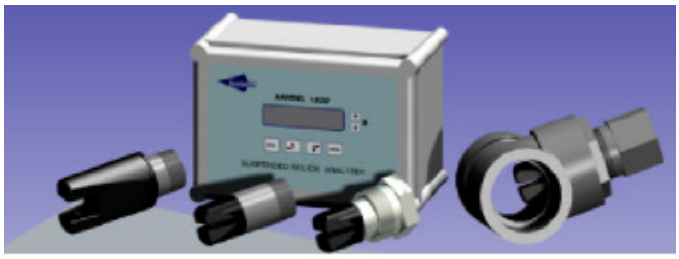
Aysix technologies
2595 Dunwin Drive, Unit #2
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Model A6-IIG-1500 Single Channel Total Suspended Solids Analyzer

- Supports 1 Aysix Total Suspended Solids Sensor
- NEMA 4x enclosure with 4 predrilled and plugged conduit holes.
- Part Selection and design conforms to applicable UL/CSA/CE safety standards.
- 115/230 VAC selector switch; 50/60 Hz: Heater terminals; standard glass fuse
- Supports calibration of both zero point (in clean water) and span using grab sample method.



Model 1500 Analyzer
Model 15L Model 15 Model 15PI Model 15T

LCD Display:

2 Alphanumeric Lines of at least 16 characters each.
Readable from 0 to 70 degrees C (display temperature)
Contrast adjustable through keypad
LED Backlighting
Tactile feel keypad
For Model 15 Sensor, displays TSS over the range of 0 to 30,000 mg/l. Displayed resolution will be 3 active digits, but no decimal places.

Relays:

4 relays total (2 SPDT form C and 2 Normally Open)
All Contacts 250VAC 6 Amps resistive load.
Both form C, and 1 Normally open relay to be programmable TSS setpoints with user selectable hysteresis.
1 of the normally open relays programmable for jet wash operation.

Analog output:: 4-20mA

Inherently isolated active outputs 600 Ohms
1 channel indicates TSS over programmable range
1 channel unused.
4 and 20 mA electrical values adjustable through key pad over 2 mA range

RTU protocol Modbus port with baud selectable 1200 to 19200.
Analyzer firmware will be stored on flash memory. Updates will be possible in the field, but may require distribution of a special cable or adaptor.

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Model A6-IIG-15 Total Suspended Solids Sensor

- Sensor shall measure TSS using the single light gap absorption principle.
- Sensor will utilize an infrared emitter to minimize color effects.
- Sensor shall compensate for emitter variations in temperature by measuring source brightness.
- Sensor is intended for end-of-pole mounting in open channel or tank applications.
- Sensor electronics and optical elements will be entirely encapsulated within polyurethane or epoxy compounds.
- 4 wire interface to analyzer shall digitally encode readings for noise immunity.
- Sensor shall have built in transient protection devices
- It shall not be possible to damage the sensor electronics by shorting any of the 4 connection wires together, or connecting these wires in the wrong order to the analyzer sensor terminal block.
- Sensor cable to be electrically shielded and have an overall polyurethane jacket.
- A jet wash port connection shall be molded in the sensor as a standard feature.



MODEL 15L SUBMERSIBLE SENSOR
CLARIFIER & PLANT EFFLUENT
The model 15L sensor was designed to measure very low solids concentrations typically found in secondary clarifier and plant effluents.



MODEL 15 SUBMERSIBLE SENSOR
MLSS—RAS—WAS
The model 15 sensor was designed to measure the solids concentrations in biological reactors, open RAS or WAS channels, and clarifier influent channels.



MODEL 15PI SENSOR
RAS—WAS
The model 15PI sensor was designed to be inserted into a activated sludge return or waste line. The sensor is epoxy, polyurethane, and 316 SS.



MODEL 15T SENSOR
MLSS—RAS—WAS
The model 15T sensor was designed for sample bypass lines of mixed liquor, return, or waste activated sludge..