

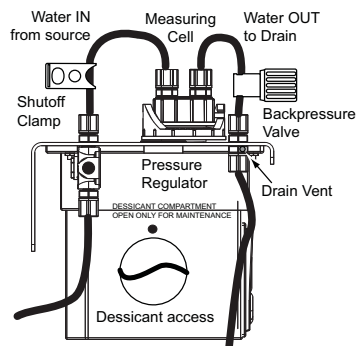
Installation of Turbidity

Turbidity Installation

An owner's manual is included with every instrument that ships. Please refer to this manual for detail instructions regarding installation and operation.

The instrument includes a mounting bracket, designed for the instrument to mount on a vertical surface. This was made simpler by having pre-drilled mounting holes on a pattern common with instruments used for this measurement.

A pattern hole template is also included with the instrument when new mounting holes are required.



Plumbing:

- Use 4.75 mm (3/16 in.) ID, 8 mm (5/16 in.) OD flexible tubing for the water supply connections.
- Opaque tubing (not supplied) should be used if the tubing will be exposed to sunlight, to prevent algae growth.
- The 4150 requires only 1 psi head pressure to operate.
- The flow through cuvette is rated for a flow of 100 mL/m to 1 L/m (0.026 - 0.26 GPM).
- The integral pressure regulator is rated for a maximum pressure of 200 psi. It is factory adjusted. Do not tamper with the regulator.
- Inlet water pressure should not exceed 50 psi to avoid damage to the tubing connection to the regulator.
- Fluid temperature must not exceed 50 °C (122 °F).
- The shutoff clamp is used to interrupt the flow during cuvette maintenance.
- Route the sensor drain tubing to a suitable drain. Do not reintroduce the drain sample to the process stream.

Power:

The power required is 100 – 240 volts AC at 47 - 63 Hz.

The output is a single programmable 4 – 20 mA DC instrument signal that is in direct proportion to the turbidity. Also provided are two programmable alarm relay outputs, one for high process alarm and the other for low process alarm sense. Note, both alarms are used in common to indicate an instrument malfunction, i.e. High Humidity.

Calibration and Operation:

Please refer to the owner's manual for details.