



**MODEL TR06-1**  
 INDICATOR – TOTALIZER – TRANSMITTER  
 SOLID STATE CONSTRUCTION  
 PULSE RATE OUTPUT  
 3 WIRE CIRCUIT

## SPECIFICATIONS

**TRANSMITTER** shall be encased in a sealed housing conforming to NEMA 4X standards. It shall provide a solid state, optically coupled pulse to drive the associated instrument. The unit shall be a **WATER SPECIALTIES MODEL TR06-1** transmitter with a 0 - \_\_\_\_\_ pulse per second output at a maximum instrument scale of \_\_\_\_\_. The enclosure shall be made from an injection-molded 20% glass-filled engineered grade of thermoplastic. It shall attach directly to the propeller meter head with screws having holes for seal wires and be protected with an o-ring seal.

**OUTPUT** shall be in direct proportion to the flow through the meter at the above pulse rate. The signal shall be produced by a solid state printed circuit card and optic switch. The P/C card shall be protected with a dip application of clear sealer and run through an ultra violet light procedure to verify no voids occurred in the coating. The unit shall be powered by an external 10-30 VDC power supply.

**INDICATOR-TOTALIZER** shall have a full 4" diameter indicator dial having a range of 0 to \_\_\_\_\_ (specify indicator range and units) and shall be equipped with a six digit, straight reading type totalizer with black number wheels at least 1/4" high. The totalizer shall read in units of \_\_\_\_\_ (specify totalizer units) and shall have a test hand to check the accuracy of the indicator. The indicator drive mechanism shall be temperature compensated, so the indicator hand shall be accurate and linear within  $\pm 1\%$  at all points on the dial when the unit is operated within the temperature range of 32°- 140° F. The unit shall be equipped with change gears to facilitate easy change of registration without removing pressure from the line or removing the transmitter base from the meter tube. The indicator-totalizer shall be protected by an o-ring sealed bonnet made from injection molded approved 20% glass filled engineered grade of thermoplastic. The bonnet shall be attached to the transmitter by screws located under the hinged lid, which has a padlock hasp.

**PARTS & SERVICE:** Supplier must have test facilities, spare parts, personnel to maintain, instruct, train or whatever is necessary to assure transmitters will be maintained throughout the guarantee period. Facilities must be located within \_\_\_\_\_ miles of the location of the meter.