



**MODEL TR01-1**  
 TOTALIZER – TRANSMITTER  
 SOLID STATE CONSTRUCTION  
 PULSE RATE OUTPUT  
 3 WIRE CIRCUIT

## SPECIFICATIONS

**TRANSMITTER** shall be encased in a sealed housing conforming to NEMA standards. It shall provide a solid state, optically coupled pulse to drive the associated instrument. The unit shall be a **WATER SPECIALTIES MODEL TR01-1** transmitter with a 0 – \_\_\_\_\_ pulse per second output at a maximum instrument scale of \_\_\_\_\_. The enclosure shall be made from injection molded 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 in the coating. The unit shall be powered by an external 10 – 30 VDC power supply.

**TOTALIZER** shall be a six digit, straight reading type with a 3" diameter, 100 division dial and center sweep test hand to permit timing for an accurate determination of flow rate. The totalizer shall read in units of \_\_\_\_\_ (specify totalizer units) and shall be magnetically driven and equipped with change gears to facilitate easy change of registration without removing pressure from the line. The totalizer shall be encased in an o-ring sealed bonnet made from injection molded glass filled engineered grade of thermoplastic. The bonnet shall be attached to the transmitter by screws with seal wire holes and have a hinged lid with padlock hasp. Instantaneous indicator-totalizer is not desired and will not be accepted.

**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.