



MODEL TR29-2
 DIGITAL INDICATOR –TOTALIZER – TRANSMITTER
 SOLID STATE CONSTRUCTION
 ONE PULSE PER TOTALIZER COUNT
 DIGITAL DISPLAYS

SPECIFICATIONS

TRANSMITTER shall be encased in a sealed housing conforming to NEMA standards. It shall provide one pulse output for each count of the totalizer to drive the associated instrument(s). The unit shall be a **WATER SPECIALTIES MODEL TR29-2** transmitter. The enclosure shall be made from injection molded 20% glass filled engineered grade of thermoplastic. It shall attach directly to the 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 (one pulse per totalizer count). The signal shall be produced by a solid state printed circuit card and sensor output. The unit shall be completely encapsulated to protect it from moisture, and installed in an O-ring sealed bonnet with padlock hasp. The unit shall be self-powered by a replaceable internal 4 year life lithium battery.

The Transmitter must also meet the following requirements:

Operation temperature:	32° to 160° F
Output signal:	<u>Isolated Scaled Pulse Output:</u>
	Open Collector MOS transistor.
	Pulse width 32 milliseconds.
	Maximum Rating 1 to 32 V.

DIGITAL INDICATOR-TOTALIZER shall be electronically driven by a sensor output directly from and proportional to the rotation of the propeller. The unit shall have a non-volatile EEPROM memory so total flow will not be lost during battery change or failure. The unit shall be equipped with an 4-year (when used with the display timeout into sleep mode feature) lithium battery backup system with a low battery indicator warning 6 months prior to failure. The five digit indicator shall have .35" high numbers and a range of 0 to _____ (specify indicator range and units) and eight digit totalizer with .20" high numbers reading in units of _____ (specify totalizer units) and is accurate and linear within $\pm 0.25\%$, of reading, at all points on the scale when operated between 32° and 160° F. The totalizer shall be resettable from the panel or disabled permanently. The unit shall be encapsulated to protect it from moisture, and installed in an o-ring sealed bonnet with padlock hasp. Adapters shall be available to locate the digital indicator-totalizer-transmitter at remote locations up to 100 feet away.

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.