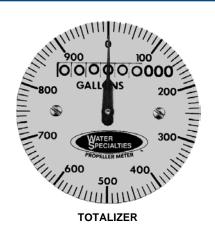


### **MODEL TR01-1-30**

TOTALIZER - TRANSMITTER
30 CONTACTS PER MINUTE TRANSMITTER
3 - WIRE CIRCUIT





#### **DESCRIPTION**

**MODEL TR01-1-30 TOTALIZER-TRANSMITTERS** provide a totalization of flow volume and a pulse rate output signal proportional to the rate of flow when mounted on our meters. (Also available with adapters for other manufacturers meters.) The unit features a magnetically driven totalizer.

**INSTALLATION** is normally made at the factory when the meter is assembled, but installation may be made in the field by removing the standard totalizer assembly, and attaching the totalizer-transmitter to the meter head. The unit is furnished complete with drive clevis, all screws and o-rings necessary for installation.

**CONSTRUCTION** of the totalizer-transmitter features an o-ring sealed housing conforming to NEMA 4X standards.

TOTALIZER is o-ring sealed and magnetically coupled with the driving mechanism, and features a six digit totalizer with a full 3" diameter, 100 division, center sweep dial that permits extremely accurate readings for timing purposes in determining flow rates. The totalizer dial can be furnished in gallons, cubic feet, acre feet, or any standard liquid measuring units. The bonnet, with padlock hasp, can be positioned in four different directions for the easiest possible reading when the meters are mounted in unusual positions.

**TRANSMITTER** utilizes a durable magnetically actuated reed switch. The pulse rate output is 30 alternating contacts (50% ON - 50% OFF) per minute at the maximum flow range of the instrument that the transmitter is controlling. A three-lead shielded cable, four feet long, is furnished with each transmitter.

**O-RING SEALS** are used at all points where seals are required, making the totalizer-transmitter mechanism completely immune to any of the corrosive effects of atmospheric moisture or the liquids measured by the meter assembly.

#### **SPECIFICATIONS**

ACCURACY Pulse output: plus or minus 2.0% within the

range specified for each meter size.

**TEMPERATURE** 140° F Maximum. Consult factory for special construction for higher temperatures.

FLOW RANGE acceptable for each totalizer-transmitter unit

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unit mounts.

**OUTPUT SIGNAL** Pulse rate: 30 alternating contacts per minute

at maximum scale range. 50% ON - 50% OFF

CONTACT RATING 1 amp, 110 volts AC maximum resistive, non-

shorting

3 amps, 28 volts DC maximum resistive, non-

shorting

MATERIALS used in construction are chosen for their

durability and immunity to the corrosive effects of atmospheric moisture and the liquids

measured by the meter assembly.

SHIPPING WEIGHT 4 pounds

OPTIONAL A
EQUIPMENT of

A non-reversing ratchet, and adapters for other manufacturers meters (consult factory

for special application).

ORDERING INFO Must be specified by the customer and

includes:

Serial number of meter unit is to be mounted, Maximum scale range required for pulse

output. Change gears and type of dial on totalizer that

is going to be replaced,

If transmitter is for other manufacturers meter

ordering information must include:

Meter size, model, change gears, totalizer dial and ratio to be assured of proper output.

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## **WIRING DIAGRAM**

