



Department of consumer and corporate affairs / Ministère de la consommation et des corporations



**STANDARDS BRANCH - DIRECTION DES NORMES**

**NOTICE OF APPROVAL  
AVIS D'APPROBATION**

G - 93

OTTAWA March 21, 1973

CANADIAN METER COMPANY PULSE VOLUME TRANSMITTING  
SYSTEM MODEL MARK III FOR USE WITH VOLUME CORRECTING DEVICES

APPARATUS

1. Transmitter  
Mercury wetted reed switch assembly magnetically actuated, 100 voltamperes, max. ratings of 500 volts or 2 amps. should not be exceeded. Temperature range -20°F to +140°F.
11. Transmission line  
Loop resistance 10 k $\Omega$  maximum.
111. Receiver  
Electronically operated 6-digit counter. Depending on the dividing network it will record every 10th or 100th received pulse. Power requirements: 115V.A.C. 60Hz  
Temperature range: 60°F to 100°F

DESCRIPTION

The receiver, via transmission lines, supplies the transmitter with 40 V.D.C. This is modified to a square wave of 40 volts peak to peak and actuates the receivers electronic network. A dividing network in the receiver, comprised of logic circuitry, advances the counter only at every 10th or 100th received pulse.

The transmitter is mounted on the top of a BVI-CI unit. It is a reed switch assembly operated from the "Corrected Counter" output shaft of the BVI-CI unit.

The receiver records received pulses on a 6 digit counter.

The flow rate indicator, located on the front panel, is not used for billing purposes. The test-jack is used for factory calibration.

Receiver and transmitter shall have a nameplate attached to the outside of their housing with the following information: model, serial number, max. pulse rate, voltage range and frequency of supply voltage and applicable ratio for any dividing network in the receiver.

If used for billing purposes the counter zero reset button and the transmitter shall have provisions for sealing.

During verification the correct transfer of the meter registration to the remote counter shall be established.

It shall be the responsibility of the utility to ensure that the meter registration is properly transferred to the remote counter at all times.

Approval granted to:

Canadian Meter Company,  
Milton, Ontario  
Edmonton, Alberta



(for) J.S.T. Swanson, P. Eng.,  
Chief, Standards Laboratory,  
Standards Branch.



W.J.S. Fraser,  
Chief, Electricity & Gas Division,  
Standards Branch.

Ref: GL 1147-57/C6-34  
G 1147-57/C6-34