



TRADE AND COMMERCE
CANADA

STANDARDS BRANCH

OTTAWA March 28, 1963.

TYPE APPROVAL

ROCKWELL TEMPERATURE-COMPENSATED TYPE #750
POSITIVE DISPLACEMENT GAS METER

The apparatus specified and illustrated herein has been duly approved by the Standards Branch under the provisions of the Gas Inspection Act, Chap. 129, R.S. 1952, and may be admitted to verification in Canada.

Apparatus Approved: Type #750 Temperature-Compensated Positive Displacement Gas Meter, manufactured and distributed in Canada by the Rockwell Manufacturing Company of Canada Limited, Guelph, Ontario.

Rating of Apparatus:

Badged Capacity	600 cu.ft./hr. (air)
Differential Pressure at badged capacity	0.5" water gauge
Capacity per revolution	0.385 cu.ft.
Maximum Working Pressure	20 p.s.i.
Base Temperature	60°F.
Connections (male)	1 $\frac{1}{4}$ " and 1 $\frac{1}{2}$ "

Description: The type #750 non-compensated meter has been approved previously under Circulars SD-GA.155 of May 19, 1959 and SD-GA.128 of August 2, 1957. The temperature-compensated meter is identical to the above except for the following alterations:

- the conventional double adjustable tangent is replaced by the temperature-compensating tangent (shown on the back of this circular);
- the index dial plate contains inscription "Temp.Comp.";
- a small tag is placed on meter near nameplate, bearing the following inscription: TEMP.COMP. 60°F BASE;
- the diaphragms are synthetic only.

In operation, the tangent length changes with the temperature change of the flowing gas, thus automatically adjusting the stroke of the diaphragms. The rate of change of tangent length with temperature is suitably chosen so that, irrespective of the temperature of the flowing gas, meter registration indicates volume passed at 60°F base. In field testing, the meter correction chart shall be used to establish the error of the meter if test temperature differs from 60°F. The temperature-compensated meters are intended for temperature ranges normally prevailing in outside locations across Canada during the year.

E. F. Power

E. F. Power,
Chief, Electricity and Gas Division,
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R. W. MacLean,
Director,
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Ref: A-683D

S-GA.256

TEMPERATURE-COMPENSATING TANGENT
FOR
ROCKWELL TEMPERATURE-COMPENSATED TYPE #750
POSITIVE DISPLACEMENT GAS METER



