



CANADA

S-GA.268

DEPARTMENT OF TRADE AND COMMERCE
STANDARDS BRANCH

OTTAWA, August 19, 1963.

Type Approval

Canadian Meter Company Base Pressure Index, Type 4

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

Apparatus Approved: Base Pressure Index, Type 4, manufactured and distributed by the Canadian Meter Company Limited, Milton, Ontario.

Application: For use, in conjunction with any approved positive displacement gas meter of the diaphragm or rotary type, for measurement of gas flow where pressure is subject to variation.

Rating of Apparatus:

Pressure Element Designation	Pressure Range PSI.	Pressure Element Designation	Pressure Range PSI.
BP30	0-1	BP60	0-45
BP30	0-5	BP120	0-100
BP30	0-10	BP300	0-300
BP30	0-15	BP1200	0-1200
BP45	0-30		

Description: The instrument consists basically of:

- (a) A counter, placed behind the rear window of the device, which records the amount of gas that has passed through the meter at line pressure.
- (b) A pressure element which indicates the line pressure, and which in conjunction with the integrator drum actuates the gearing system for the front counter.
- (c) An integrator drum with a raised portion of its surface shaped so that the ~~arc~~ ^{area} of the raised part increases with increased pressure indication. In conjunction with the pressure element pointer, the raised portion of this drum actuates the gearing system for the front counter. The length of time during which the front counter is driven is determined by the position of the pressure element pointer.

- (d) The front counter which is driven as long as the pressure element pointer slides over the raised part of the integrator drum. The counter indicates the amount of gas that has passed through the meter at base pressure. The name plate contains the following information:

Type, Serial number, Model, Pressure range, Atmos. pressure, Base pressure and Multipliers for front and rear counters.

The Base Pressure Index can be used in conjunction with any approved Volume and Pressure Gauge manufactured by the Canadian Meter Company Limited. For more detailed information refer to Technical Bulletin No. 2.

This approval notice supersedes N.R.C. Circular No. 1, dated May 26, 1933, and Approval Circular SD-GA.141. It covers not only the Base Pressure Indexes already in service which may not have Type or Model Designations but current production as well which does include these markings. The Model designation and the Pressure Spring designation are the same e.g. BP45.

E. F. Power

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Chief, Electricity & Gas Division,
Standards Branch.


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Ref: A-187E

