



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 <sup>arc</sup> 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.