



DEPARTMENT OF TRADE AND COMMERCE
STANDARDS BRANCH

OTTAWA, September 15, 1964

TYPE APPROVAL

CANADIAN METER COMPANY BASE PRESSURE INDEX, TYPE 4

The apparatus specified and illustrated 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 in Canada by the Canadian Meter Company Limited, Milton, Ontario.

Rating of Apparatus:	Model and Pressure Element Designation	Static Pressure Range p.s.i.
	BP 30 Special	0-24" w.g. to 0-5 p.s.i.
	BP 30	0-12 to 0-15
	BP 45	0-25 to 0-30
	BP 60	0-35 to 0-45
	BP 120	0-90 to 0-100
	BP 180	0-125 to 0-165
	BP 300	0-230 to 0-300
	BP 360	0-270 to 0-350
	BP 600	0-500 to 0-600
	BP 1200	0-1,000 to 0-1,200

Description: The base Pressure Index is designed to sense and indicate, in some metering devices, the line pressure and automatically apply the required correction so that the volume passed through the meter is totalized at a predetermined base pressure. This function is achieved through the employment of a cylinder type integrator, whose raised cam is properly shaped to effect the required correction.

The device consists of the following main parts:-

- (a) a rear counter which indicates the volume passed through the meter at line pressure.
- (b) a pressure element with associated linkage and pointer which indicates the line pressure and in conjunction with the integrating cylinder actuates the gearing which drives the front counter.
- (c) the front counter which indicates the volume passed through the meter at a specified base pressure.