



S-GA. 278

DEPARTMENT OF TRADE AND COMMERCE
STANDARDS BRANCH

OTTAWA, December 24th, 1963.

TYPE APPROVAL

ROCKWELL TYPE C.D. COMBINED RECORD GAUGE

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 C.D. Combined Record Gauge, manufactured and distributed in Canada by the Rockwell Manufacturing Company, Guelph, Ontario.

Rating of Apparatus: Static Pressure Range:- 0-10, 0-50, 0-100, 0-250, 0-500 P.S.I.
Temperature Range:- 0°-150°F.
Volume Units:- 1000 and 10,000 cu. ft. per cycle.

Description: Gas is normally bought or sold in terms of its volume at some standard (base) pressure and temperature. The base pressure is usually atmospheric pressure and the base temperature is usually 60°F. When gas is measured at conditions other than base conditions, correction factors must be determined in order to convert the quantity indicated by the meter into the quantity at standard conditions.

In operation the combined record gauge measures and records the static pressure and temperature variations as well as the rate of flow of gas by the volume pen. This recorded information allows the two correction factors to be determined for each increment of volume. The gauge is also equipped with the conventional clock type index for use directly on a positive displacement gas meter with a 10 foot proving circle. The gauge submitted for approval used the Rockwell, model 23-3, jewelled escapement, 7 day rotation, chart drive. However, any approved chart drive may be used with this gauge when it is accompanied by the appropriate approved chart.

The gauge shall have a nameplate with the following data inscribed:

1. Serial No.
2. Type - C.D.
3. Pressure Range in p.s.i.
4. Temperature Range in °F.
5. Maker's Name.

E. F. Power

E.F. Power,
Chief, Electricity & Gas Division.
Standards Branch.

R. W. MacLean
R. W. MacLean,
Director,
Standards Branch.

Ref: A-902B

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