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NOTICE OF APPROVAL
AVIS D'APPROBATION

G-49-1

Ottawa, November 18, 1975

CANADIAN METER COMPANY 9-inch PRESSURE AND TEMPERATURE RECORDERS, TYPES P, T, PP, TT, AND PT.

This Approval is supplementary to that of Circular G-49, dated June 2, 1969.

Apparatus

Except for the extended pressure coverage and other modifications described below the basic design features and the type designations of this modified version recorder are the same as outlined in Circular G-49.

Pressure Elements	Pressure Ranges
Capsular, Phosphor Bronze*	0-30"w.c., 0-1, 0-2, 0-3 psig
Bellows, Cupro-Nickel	0-5, 0-10, 0-20, 0-30, 0-50 psig
Bourdon-Helical	
(a) Cupro-Nickel	0-30, 0-50, 0-100, 0-150, 0-200 0-300, 0-500 psig
(b) Ni-Span-C	0-100, 0-500, 0-1000, 0-1,500, 0-2,000 psig
(c) Stainless Steel, 316	0-30, 0-50, 0-100, 0-150, 0-200, 0-300, 0-500, 0-1,000, 0-1,500, 0-2,000, 0-3,000, 0-5,000 psig

* These pressure elements are not approved when used in environmental temperatures below +10°F.

Mercury Filled Temperature Systems:

Class VA, fully compensated, capillary length up to 100 ft.
Class VB, case compensated, capillary length up to 15 ft.
Temp. Ranges: -30° to +120°F, 0° to +100°F and 0° to +150°F.

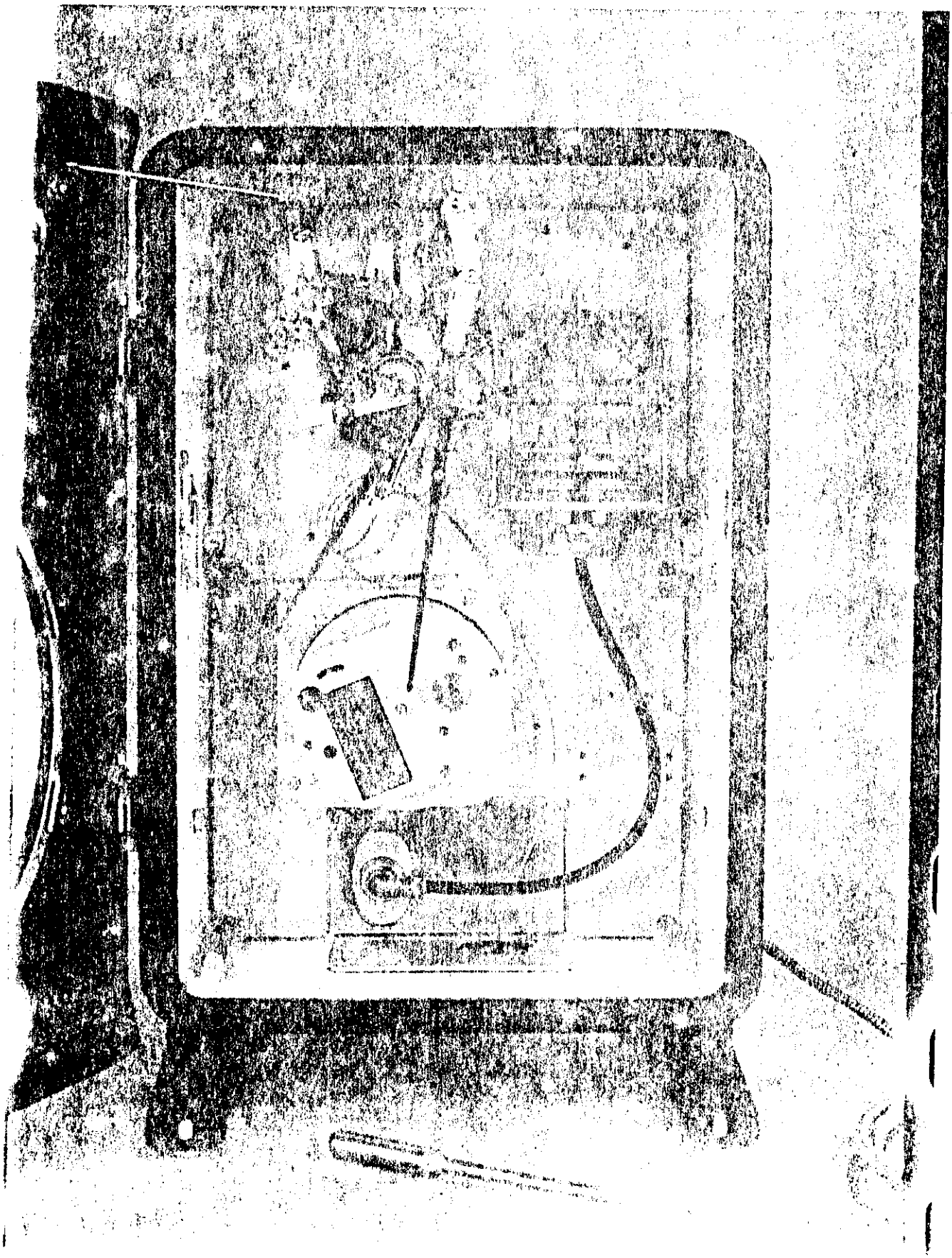

Chart Drives

Any approved and suitable chart drive with a rotational period of 24 hrs., 7 days or 31* days.

* This rotational period may produce a "painted"chart record when frequent fluctuations of pressure and/or temperature are encountered.

Description of Modifications

The following modifications have been introduced:

1. A new style die cast aluminum case and door assembly.

2. Pressure and temperature systems are re-oriented with different connecting links between the systems and the pen shaft brackets.

3. Pressure and temperature calibration adjustments are located and designed differently.

4. The low pressure measuring elements which were previously the "slack diaphragm type" have been replaced with "capsular phosphor bronze type".

5. New ranges of Ni-Span-C helical bourdon type elements have been introduced.

6. New pressure ranges with the bellows type elements have been added.

7. Approved capillary length for the fully compensated temperature system has been changed.

8. An additional chart drive rotational period has been introduced.

An illustration in this circular shows the location of components in the modified recorder.

All modified recorders shall have their serial number suffixed with the letter 'M'.

Approval granted to: Canadian Meter Company Ltd.,
Milton, Ontario and
Edmonton, Alberta.

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