



TRADE AND COMMERCE
CANADA

STANDARDS DIVISION

OTTAWA August 12, 1964.

TYPE APPROVAL

TAYLOR INSTRUMENT COMPANIES CHART DRIVES

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:

- (1) Electrical Chart Drive #685242
Manufactured by Cramer Div., Giannini Controls Corp.
Conn., U.S.A.
- (2) Electrical Chart Drive #685232
Manufactured by either R.W. Cramer Co. or
Haydon Manufacturing Co., Conn., U.S.A.
- (3) Mechanical (Spring-wound) Chart Drives #83598 and
#83599
Manufactured by either Lux Company or Seth Thomas
Clocks, both of U.S.A.

All of the above mentioned chart drives are manufactured for Taylor Instrument Companies, U.S.A., and are distributed in Canada by Taylor Instrument Companies of Canada Limited.

Rating of Apparatus:

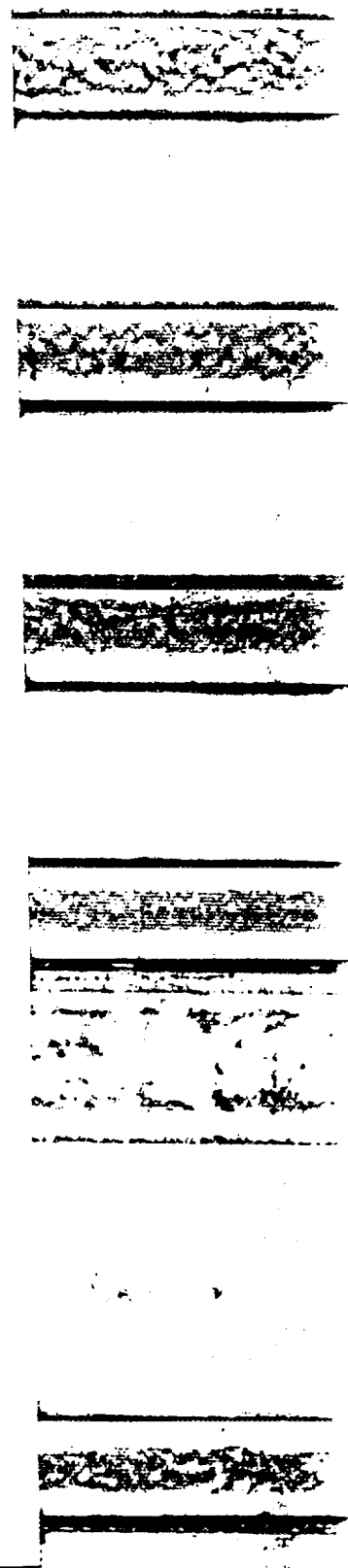
- (1) Electrical Chart Drive #685242 for Roll Chart
Recorders.

Voltage 115, 120 volts.
 Frequency 50, 60 cycles.
 Basic Chart Drive Shaft Speeds 1/3 R.P.H. or
 1/3 R.P.M.
 Chart Speeds 1, 2, 4, 6, 9, 12, 15, 18, 30
 inches per hour.

- (2) Electrical Chart Drive #685232 for Circular
Chart Recorders

Voltage 115, 120, 230, 240 Volts.
 Frequency 25, 50, 60 cycles.
 Chart hub period of rotation 24 hours or 7 days.

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(3) Spring-Wound Chart Drives #83598-1, #83599-1,
#83599-5 for Circular Chart Recorders.

Wind period 24 hour 7 day 7 day
Chart hub period of rotation 24 hour 24 hour 7 day

Description:

Electrical chart drives comprise a synchronous meter and a suitable gear train assembly. In the case of the roll chart drives an additional selective, secondary gear train is used to produce a variety of chart speeds, as listed.

Mechanical spring-wound chart drives have a conventional clock-type escapement mechanism and through an appropriate choice of gearing provide required rotational speeds of the chart hub.

All chart drives are identified by the part number which is marked on the cover with the appropriate rating information, and reference is also made to the maker by name or letter, e.g. 'L' for Lux Company and 'S1' for Seth Thomas.

Suffix "C" is added to the part number on the mechanical chart drives when the movement has been conditioned for low temperature.

NOTE: Chart drives should have the proper lubrication for operation at low temperatures.

This approval covers the use of these chart drive mechanisms in any suitable approved circular chart recorder or, where specified, the roll chart recorder.

W. J. Fraser

(for) E. F. Power,
Chief, Electricity and Gas Division,
Standards Branch.

H. W. MacLean
H. W. MacLean,
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Ref: SL-100-23

