DEPARTMENT OF CONSUMER AND CORPORATE AFFAIRS

STANDARDS BRANCH **G-35**

OTTAWA, November 27, 1968

NOTICE OF APPROVAL

FOR

MERCURY INSTRUMENTS INC. MODEL 99 BATTERY OPERATED CHART DRIVE

Apparatus

Approved rotational periods	12 hours, 1 day, 7 days, 8 days, 31 days
Rotation	Counterclockwise
Hub	½ inch diameter, screw type
Mounting	3-hole
Power supply	1.5 volts "D" flashlight cell
Power consumption	75 ma for 1 second every 8 minutes
Approved temperature range	* -20°C to +50°C
Minimum operating voltage at 21°C	0.9 v

* For temperature below 10°F an alkaline cell must be used.

Description

The actuating mechanism consists of a spring storage, 7 jewel Diehl clockwork device manufactured in Germany which is electrically wound every 8 minutes by a dc motor connected via one foot of 2 conductor cable and screw type plug to a 1.5 v cell mounted remotely in a cast aluminum case. The various chart speeds are obtained by means of different gear trains between the spring drive and the output shaft.

This approval covers the use of this chart drive mechanism in any suitable, approved, circular chart recorder requiring a timing device.

Approval granted to: Parkinson Cowan (Canada) Limited, Chatam, Ontario.

J.S.T. Swanson,
Chief, Standards Laboratory,
Standards Branch.

W.J.S. Fraser,
Chief, Electricity and Gas Division,
Standards Branch.

Ref: SL-100-106 (B)

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