



Department of consumer and corporate affairs / Ministère de la consommation et des corporations



STANDARDS BRANCH - DIRECTION DES NORMES

NOTICE OF APPROVAL

G - 88

OTTAWA May 30, 1972

MERCURY INSTRUMENTS, INC. MODEL 99C BATTERY OPERATED CHART DRIVE

APPARATUS

| | |
|--------------------------------------|---------------------------------|
| Approved rotational periods | 1 day, 7 days, 31 days |
| Rotation | Counterclockwise |
| Hub | ½ inch diameter, screw type |
| Mounting | 3-hole |
| Power supply | *1.5 volts "D" flashlight cell |
| Power consumption | 50mA for 1 sec. every 3 minutes |
| Temperature range | -20°C to +50°C |
| Minimum operating voltage at 21°C | 1.2 volts |

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

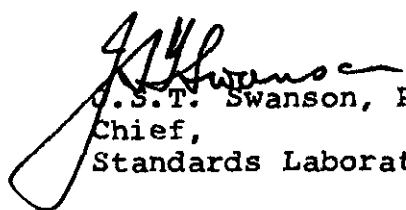
DESCRIPTION

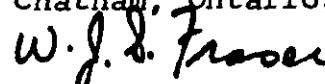
The actuating mechanism consists of a spring storage, 4 jewel clockwork device which is electrically wound every 3 minutes by a d.c. motor connected via a one foot length, 2-conductor cable, and a screw type plug to a 1.5 volts cell mounted remotely in a cast aluminum case. The various chart speeds are 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.

Model 99C chart drive is similar in appearance to Model 99 approved under circular G-35, dated November 27, 1968.

Approval granted to:


 G.S.T. Swanson, P. Eng.,
 Chief,
 Standards Laboratory.

Parkinson Cowan (Canada) Ltd.,
 Chatham, Ontario.

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

REF: SL-100-106(C)