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NOTICE OF APPROVAL
AVIS D'APPROBATION

G-88-2

Ottawa, October 29, 1976

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

This approval is supplementary to that of Circular G-88, dated May 30, 1972 and also G-88-1, dated February 2, 1976.

Apparatus

Approved rotational periods	Dual 24 hrs/7 days Single 24 hrs. only
Rotation	Counterclockwise
Hub	½ inch dia., screw type
Mounting	3 hole
Power supply	* 1.5 volts "D" flashlight cell
Temperature range	$-20^{o}C$ to $+50^{o}C$
Minimum operating voltage $23^{o}C$	1.2 volts

* For temperatures below $-12^{o}C$ ($10^{o}F$) an alkaline cell must be used.

Description

The new chart drives, available in both dual and single speed versions, are similar in appearance to the models previously approved in Circulars G-88 and G-88-1 but have a differently designed (Cosmo) internal movement. They consist of four basic components; 1.) a jewelled, motor rewind type clock movement, 2.) a brass gear train, 3.) an aluminum housing and base plate, 4.) a remote battery power pack.

The actuating mechanism consists of a spring storage, jewelled clockwork which is electrically wound by a D. C. motor connected via a one foot long cable and plug to a 1.5 volt cell housed in an aluminum case. The two chart speeds of the 24 hr/7 day drive are obtained by means of different gear trains between the spring drive and the output shaft. The change is made by depression and rotation of the screw as described on the face of the drive unit.

All chart drives with serial number E9800 and higher will include this mechanism.

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

Approval granted to: Bakers Instruments Ltd. Toronto, Ont.

and Foothills Industrial Products of Calgary, Alberta

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