



CANADA

DEPARTMENT OF TRADE AND COMMERCE
STANDARDS DIVISION

SD-EA.44

OTTAWA, November 28, 1950.

NOTIFICATION OF TYPE APPROVAL

The apparatus specified herein has been duly approved by the Standards Division under the provisions of The Electricity Inspection Act, Chapter 22, 1928, as amended, and may be admitted to verification in Canada.

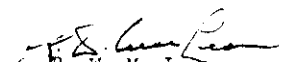
Apparatus Approved: "Grease-damped" Driven Pointer, for use on Sangamo thermal meters, manufactured by the Sangamo Company Limited, Leaside, Canada.


Rating of Apparatus: Approved for use on any approved Sangamo demand or combination meter when the appropriate scales are used.

Description: It is intended by the manufacturer that the grease type of damping will eventually supersede the pulley-and-silk brake which has been used in all Sangamo thermal demand meters to date. It also may be used as a replacement for the present type in existing meters if the proper scales are also used.

The grease is contained between two flat surfaces about .01 inch apart. One surface is a disc attached to the spindle of the maximum demand pointer; the other is in the form of a cup, fitting around this disc with the maximum practical clearance. The grease is contained between the disc and the flat bottom of the cup. The action of the grease-damped pointer depends on the fluid characteristics of the grease. Thus the driving pointer, which exerts a steady and gentle force, encounters no resistance. On the other hand, the resistance to movement due to shock is very considerable. No adjustment is necessary or possible, since the choice of grease determines the performance of the pointer. In service, the pointer is propelled up scale so slowly that, when the pointers are separated, the change, if any, in the reading of the driving pointer should be slight. Due to the elimination of brake friction, all scales used with grease-damped pointers will have all points marked as for an unrestricted driving pointer.

To provide ready identification of the pointers and scales, the pointer will be painted gray with a black knife edge and the scales will be marked with a large letter "G".


R. W. MacLean,
Director,
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for E. F. Power,
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