



TRADE AND COMMERCE  
CANADA

## STANDARDS DIVISION

OTTAWA, April 10, 1956.

TYPE APPROVALCANADIAN WESTINGHOUSE TYPES "DA" AND "DS" WATTHOUR METERS

The apparatus specified herein has been duly approved by the Standards Division under the provisions of the Electricity Inspection Act, Chapter 94, R.S. 1952, and may be admitted to verification in Canada.

Apparatus Approved: Types "DA" and "DS" Single-Phase Watthour Meters, manufactured by the Canadian Westinghouse Company Limited, Hamilton, Ontario.

## Rating of Apparatus:

Normal Range ..... 0.75 - 100 amperes  
Voltage ..... 230 or 240  
Wire ..... 3  
Frequency ..... 60 cycles  
Kh ..... 3.6

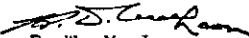
Description: The Types "DA" and "DS" are single-phase watthour meters designed for the purpose of measuring accurately over a large load range. Particular attention has been given to the thermal capacity and stability so that the accuracy may endure over a long life.

In addition, materials and finishes were selected with a view to giving maximum protection against corrosion for a long period with low maintenance. Also, the meter is designed with high insulation level to withstand high voltage and is provided with surge protection by means of a relief gap which will break down at a lower level than that of the insulation.


Among the features of the meter which differ from previous types are:

- (1) damping magnets made of Alnico and mounted on the aluminum frame on each side of the disc;
- (2) flexible upper guide bearing of hardened chrome steel fitting into a non-lubricated, removable bronze bearing;
- (3) new type adjustments for light and full load which may be operated by either screw driver or by fingertip. Both adjustments are designed to be linear having 1% adjustment per turn over a  $\pm 10\%$  range. The power factor adjustment is pre-set at the factory;
- (4) disc guards have been made part of the frame to prevent disc damage when a meter is laid on its face;
- (5) new appearance of register and nameplate.

Only meters with clock-type registers are covered under this Approval.

  
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