



TRADE AND COMMERCE
CANADA

STANDARDS DIVISION

OTTAWA, February 18, 1952.

TYPE APPROVAL

SMITH TYPE "APR" PREPAYMENT METERS

The apparatus specified and illustrated 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: Type "APR" Single-Phase Prepayment Watthour Meter, manufactured by Smith Meters Limited, London, England.

Rating of Apparatus: Nominal Amperes 25
 Maximum Amperes 50
 Volts 115
 Frequency 60 cycles
 Wire 2
 Phase 1
 Watthour Constant 25/18

Description: The watthour portion of the meter is essentially the same as the type "AR" previously approved (see Approval Circulars SD-EA.54 and SD-EA.59 of March 7, 1951 and April 18, 1951 respectively.) The prepayment portion of the meter requires a 25-cent coin to operate it and includes a rate-setting chart by means of which the rate may be set in either of two series:- Series "A" embraces rates from 1 to 4.7 KWH per coin, in steps of 0.1 KWH; Series "B" includes rates from 4 to 18.8 KWH per coin, in steps of 0.4 KWH. The rate in any one series may be changed by removing the coin box, loosening the pinned ring which is secured by a nut on a stud, and rotating the rate chart so that the appropriate serration on its edge engages with the index pin. The two rate charts are printed concentrically on the metal plate and the rate shown opposite the index pin, on the appropriate chart, is the one for which the meter is set. A change from rate series "A" to rate series "B", or vice versa, requires removal of the meter cover and the shifting of a block of gears through a small arc. The rate series ("A" or "B") is indicated through the top right corner of the middle window of the meter cover. Through this window may also be viewed a clock dial which indicates the unused units up to a maximum of 22 KWH on "A" series rates or 88 KWH on "B" series rates. Coins may be inserted up to the capacity of the unused units dial, but beyond this an automatic device prevents insertion of further coins. A coin register may also be seen through the middle window and this register will count up to a total of 999 coins. The base of the meter is white plastic and the meter cover is black plastic.

Conditions: Approval covers meters fitted with cyclometer registers but not those fitted with clock-type registers.

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Ref: A-214

SMITH TYPE "A" SINGLE-PHASE PREPAYMENT METER

