



CANADA

SD-EA.64

DEPARTMENT OF TRADE AND COMMERCE
STANDARDS DIVISION

OTTAWA, July 23, 1951.

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.

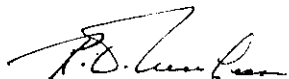
Apparatus Approved: Types "AEA" and "AES" Combination Watthour and Amperes Demand Meters, manufactured by the Sangamo Company Limited, Toronto, Canada.

Rating of Apparatus:

Type of Service single-phase, 2- and 3-wire
Voltages 115, 230, 460, 575
Frequencies 25 to 60 cycles
Capacities (see table on back of circular).

Description: The types "AEA" and "AES" meters are single-phase combination watthour and ampere demand meters, having "A" and "Socket" bases respectively. In construction and appearance they closely resemble the "EDA" and "EDS" meters, already approved, except that they have no demand potential transformer; the demand element has been modified to eliminate the unnecessary heaters, and an ampere demand scale has been provided instead of a watt demand scale.

Conditions: Approval covers use of the meter to measure "ampere demand", but not for a "watt demand" derived from the ampere reading.


R. W. MacLean,
Director,
Standards Division.


E. F. Power,
Assistant Director (E&C),
Standards Division.

Ref: A-194

TABLE OF RATINGSDIRECT-READING "ATA" AND "AES" METERS

					<u>"ATA"</u>	<u>"AES"</u>
<u>(a) 115-volt Meters</u>						
Nominal Amperes	5	10	15	25	50	50
Max. and Full Scale Amps.	10	20	30	60	120	100
W.H. Register Ratio	3000	1500	1000	600	300	300
Disc Constant, K_h	1/3	2/3	1	1-2/3	3-1/3	3-1/3
<u>(b) 230-volt Meters</u>						
Nominal Amperes	5	10	15	25	50	50
Max. and Full Scale Amps.	10	20	30	60	120	100
W.H. Register Ratio	1500	750	500	300	150	150
Disc Constant, K_h	2/3	1-1/3	2	3-1/3	6-2/3	6-2/3
<u>(c) 460-volt Meters</u>						
Nominal Amperes	5	10	15	25	50	50
Max. and Full Scale Amps.	10	20	30	60	120	100
W.H. Register Ratio	750	375	250	150	750(x10)	750(x10)
Disc Constant, K_h	1-1/3	2-2/3	4	6-2/3	13-1/3	13-1/3
<u>(d) 575-volt Meters</u>						
Nominal Amperes	5	10	15	25	50	50
Max. and Full Scale Amps.	10	20	30	60	120	100
W.H. Register Ratio	600	300	200	1200(x10)	600(x10)	600(x10)
Disc Constant, K_h	1-2/3	3-1/3	5	8-1/3	16-2/3	16-2/3