



CANADA

DEPARTMENT OF TRADE AND COMMERCE
STANDARDS DIVISION

SD-EA.5

OTTAWA, May 16, 1950.
(Superseding Circular Letter SD-EC26,
dated July 8, 1948)


MODIFICATION OF TYPE APPROVAL

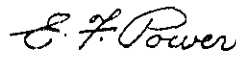
The modification to the apparatus specified herein has been duly approved by the National Research Council under the provisions of The Electricity Inspection Act, Chapter 22, 1928, and the apparatus may be admitted to verification in Canada.

Apparatus Modified: Types "EDA" and "EDS" Combination Demand Energy Meters, manufactured by the Sangamo Company Limited, Leaside, Canada.

Rating of Apparatus: See sheets (a) and (b) attached for list of approved ratings.

Modification: The modification consists of the revised "Table of Ratings" only.


R. W. Maclean,
Director,
Standards Division.


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

Sheet (a)

TABLES OF RATINGS

PRESENT SERIES

(a) 115 volt meters with multipliers

					<u>EDA</u>	<u>EDS</u>
Nominal Amperes	5	10	15	25	50	50
Full Scale Kw.	.75	1.5	3.75	7.5	15	12
Multiplier	.5	1	2.5	5	10	10
Register Ratio	1500	1500	2500	3000	3000	3000
Disc Constant	1/3	2/3	1	1-2/3	3-1/3	3-1/3
Demand Scale	1500	1500	1500	1500	1500	1200

(b) 230 volt meters with multipliers

					<u>EDA</u>	<u>EDS</u>
Nominal Amperes	5	10	15	25	50	50
Full Scale Kw.	1.5	3	7.5	15	30	24
Multiplier	1	2	5	10	20	20
Register Ratio	1500	1500	2500	3000	3000	3000
Disc Constant	2/3	1-1/3	2	3-1/3	6-2/3	6-2/3
Demand Scale	1500	1500	1500	1500	1500	1200

(c) 115 volt meters, direct reading

					<u>EDA</u>	<u>EDS</u>
Nominal Amperes	5	10	15	25	50	50
Full Scale Kw.	.75	1.5	3.75	7.5	15	12
Multiplier	1	1	1	1	1	1
Register Ratio	3000	1500	1000	600	300	300
Disc Constant	1/3	2/3	1	1-2/3	3-1/3	3-1/3
Demand Scale	.75	1.5	3.75	7.5	15	12

(d) 230 volt meters, direct reading

					<u>EDA</u>	<u>EDS</u>
Nominal Amperes	5	10	15	25	50	50
Full Scale Kw.	1.5	3	7.5	15	30	24
Multiplier	1	1	1	1	1	1
Register Ratio	1500	750	500	300	150	150
Disc Constant	2/3	1-1/3	2	3-1/3	6-2/3	6-2/3
Demand Scale	1.5	3	7.5	15	30	24

Maximum Amperes, 60 cycles

10	20	40	60	130	100
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Maximum Amperes, 25 cycles

10	20	35	55	130	100
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For 460 volt meters, multiply by 4 the values given for full scale Kw. and disc constant. Similarly, use 4 times all multipliers, register ratios and demand scales, only where these are variable with current rating.

For 115 volt meters multiply by 1.

TABLES OF RATINGS

UNIFORM SERIES

(e) 115 volt meters with multipliers

Nominal Amperes	2.5	5	10	20	40
Full Scale Kw.	.75	1.5	3	6	12
Multiplier	.5	1	2	4	8
Register Ratio	3000	3000	3000	3000	3000
Disc Constant	1/6	1/3	2/3	1-1/3	2-2/3
Demand Scale	1500	1500	1500	1500	1500

(f) 230 volt meters with multipliers

Nominal Amperes	2.5	5	10	20	40
Full Scale Kw.	1.5	3	6	12	24
Multiplier	1	2	4	8	16
Register Ratio	3000	3000	3000	3000	3000
Disc Constant	1/3	2/3	1-1/3	2-2/3	5-1/3
Demand Scale	1500	1500	1500	1500	1500

(g) 115 volt meters, direct reading

Nominal Amperes	2.5	5	10	20	40
Full Scale Kw.	.75	1.5	3	6	12
Multiplier	1	1	1	1	1
Register Ratio	6000	3000	1500	750	375
Disc Constant	1/6	1/3	2/3	1-1/3	2-2/3
Demand Scale	.75	1.5	3	6	12

(h) 230 volt meters, direct reading

Nominal Amperes	2.5	5	10	20	40
Full Scale Kw.	1.5	3	6	12	24
Multiplier	1	1	1	1	1
Register Ratio	3000	1500	750	375	187.5
Disc Constant	1/3	2/3	1-1/3	2-2/3	5-1/3
Demand Scale	1.5	3	6	12	24

Maximum Amperes, 60 cycles

7.5	15	30	60	120
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Maximum Amperes, 25 cycles

6	12	25	50	120
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For 460 volt meters, multiply by 4 the values given for full scale Kw. and disc constant. Similarly, use 4 times all multipliers, register ratios and demand scales, only where these are variable with current rating.

For 575 volt meters, multiply by 5.