



CANADA

DEPARTMENT OF TRADE AND COMMERCE
STANDARDS DIVISION

OTTAWA, April 28, 1952.

MODIFICATION OF TYPE APPROVALSANGAMO TYPE "EDS" DEMAND-ENERGY METER

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

Apparatus Modified: Type "EDS" Demand-Energy Meter, manufactured by Sangamo Company Limited, Leaside, Toronto 17, Canada.

Rating of Apparatus: (See reverse of this circular for "Modified Table of Ratings")

Modifications: There are two modifications involved:-

The first consists in re-rating the 50-ampere type "EDS" meter so that its rating is the same as the rating for the 50-ampere type "EDA" meter. (See Table (a) of Circular Letter SD-EA.5.) Essentially this consists in a change in the range of the demand register and a re-rating of the maximum amps. from 100 to 130. This meter is approved for use above 100 amperes only when installed with a high-capacity socket.

The second modification is the addition of a 100-ampere (200-amp. max.) to the "Present Series" of type "EDS" meters. This meter is approved only for use with a high-capacity socket, and, in addition to the regular stamping, the nameplate shall have stamped on it "HC SOCKET".

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Ref: A-250

MODIFIED TABLE OF RATINGS
for
SANGAMO TYPE "EDS" COMBINATION DEMAND-ENERGY METERS

PRESENT SERIES

(a) 115 volt meters with multipliers

Nominal Amperes	5	10	15	25	50	100
Full Scale Kw.	.75	1.5	3.75	7.5	15	22.5
Multiplier	.5	1	2.5	5	10	15
Register Ratio	1500	1500	2500	3000	3000	2250
Disc Constant	1/3	2/3	1	1-2/3	3-1/3	6-2/3
Demand Scale	1500	1500	1500	1500	1500	1500

(b) 230 volt meters with multipliers

Nominal Amperes	5	10	15	25	50	100
Full Scale Kw.	1.5	3	7.5	15	30	45
Multiplier	1	2	5	10	20	30
Register Ratio	1500	1500	2500	3000	3000	2250
Disc Constant	2/3	1-1/3	2	3-1/3	6-2/3	13-1/3
Demand Scale	1500	1500	1500	1500	1500	1500

(c) 115 volt meters, direct reading

Nominal Amperes	5	10	15	25	50	100
Full Scale Kw.	.75	1.5	3.75	7.5	15	22.5
Multiplier	1	1	1	1	1	15
Register Ratio	3000	1500	1000	600	300	150
Disc Constant	1/3	2/3	1	1-2/3	3-1/3	6-2/3
Demand Scale	.75	1.5	3.75	7.5	15	22.5

(d) 230 volt meters, direct reading

Nominal Amperes	5	10	15	25	50	100
Full Scale Kw.	1.5	3	7.5	15	30	45
Multiplier	1	1	1	1	1	30
Register Ratio	1500	750	500	300	150	750 (see note)
Disc Constant	2/3	1-1/3	2	3-1/3	6-2/3	13-1/3
Demand Scale	1.5	3	7.5	15	30	45

Note: "Multiply by 10" on register dial.

Maximum Amperes, 60 cycles

10	20	40	60	130	200
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Maximum Amperes, 25 cycles

10	20	35	55	130	200
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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.

Register ratios for 460 volt direct-reading meters are 1/4 that of 115 volt meters. In case of 575 volt meters, this factor is 1/5.

