SD-EA.4

CANADA

DEPARTMENT OF TRADE AND COMMERCE

STANDARDS DIVISION

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

NOTIFICATION OF TYPE APPROVAL

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

Apparatus Approved: Types "WDA" and "WDS" single-phase Thermal Demand Meters, manufactured by the Sangamo Company Limited, Leaside, Canada.

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

Description: The "WDA" and "WDS" are single-phase thermal demand meters, exactly the same in construction and capacities as the "EDA" and "EDS" meters approved under Circular N.R.C.166 of January 14, 1947, but with the complete watthour element removed and jumpers substituted to complete the current circuit. All constants are as given for the demand element in the "EDA" and "EDS" specification.

E. F. Power

E. F. Power,
Assistant Director (E.& G),
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R. W. MacLean

R. W. MacLean,
Director,
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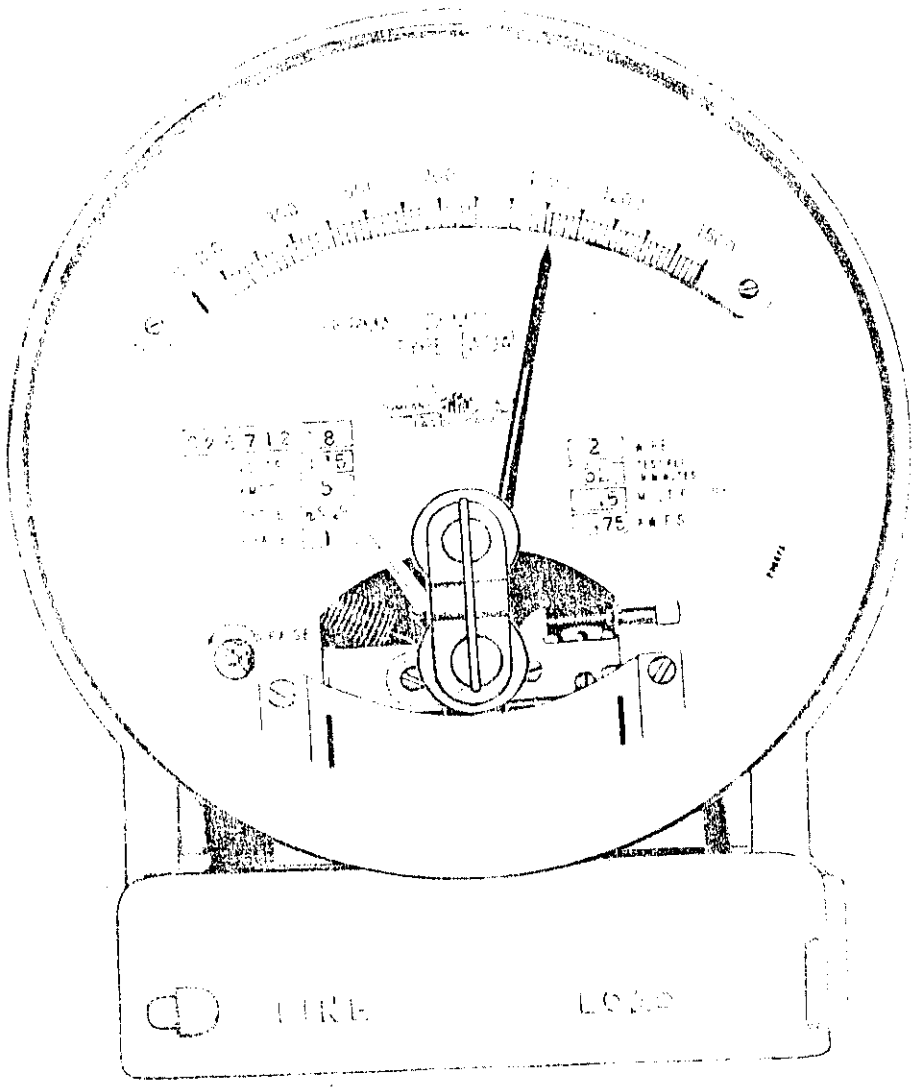
SANGAMO TYPE "WDA" SINGLE-PHASE THERMAL DEMAND METER



TABLES OF RATINGS

PRESENT SERIES

(a) 115 volt meters with multipliers

					WDA	WDS
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
Demand Scale	1500	1500	1500	1500	1500	1200

(b) 230 volt meters with multipliers

					WDA	WDS
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
Demand Scale	1500	1500	1500	1500	1500	1200

(c) 115 volt meters, direct reading

					WDA	WDS
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
Demand Scale	.75	1.5	3.75	7.5	15	12

(d) 230 volt meters, direct reading

					WDA	WDS
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
Demand Scale	1.5	3	7.5	15	30	24

Maximum Amperes, 60 cycles	10	20	40	60	130	100
Maximum Amperes, 25 cycles	10	20	35	55	130	100

For 460 volt meters, multiply by 4 the values given for full scale Kw. for 115 volt meter. Similarly, use 4 times all multipliers, and demand scales, only where these are variable with current rating.

For 575 volt meters, multiply by 5.

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
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
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
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
Demand Scale	1.5	3	6	12	24

Maximum Amperes, 60 cycles	7.5	15	30	60	120
Maximum Amperes, 25 cycles	6	12	25	50	120

For 460 volt meters, multiply by 4 the values given for full scale kw. of 115 volt meters. Similarly, use 4 times all multipliers, and demand scales, only where these are variable with current rating.

For 575 volt meters, multiply by 5.