



TRADE AND COMMERCE
CANADA

STANDARDS BRANCH

S-EA.439

OTTAWA, March 11, 1960.

TYPE APPROVALSANGAMO TYPES "DEA" AND "DES" THERMAL DEMAND-ENERGY METERS

The apparatus specified herein has been duly approved by the Standards Branch under the provisions of the Electricity Inspection Act, Chapter 94, R.S. 1952, and may be admitted to verification in Canada.

Apparatus Approved: Types "DEA" and "DES" Single-Phase Combination Thermal Demand-Energy Meters, manufactured by the Sangamo Company Limited, Leaside, Toronto 17, Canada.

Rating of Apparatus:


Current Range (amperes)	0.75-65	0.75-65
Voltage Rating	115 or 120	230 or 240
Disc Constant	1-2/3	3-1/3
Demand Scale (watts)	1500	1500
Kilowatts	7.5	15
* Multiplier	5	10
Register Ratio	3000	3000
Test Period	20 minutes	20 minutes
Frequency	60 cycles	60 cycles

* Multipliers apply to both watthour and demand readings.

Description: These meters are similar to the types "DEA" and "DES" approved and described in Circular SD-EA.395, March 16, 1959, except that they have a time response of 10 minutes for 90% change in indication of the demand. The test period is thus 20 minutes.

Other pertinent approval circulars are:-

SD-EA.403, May 6, 1959
SD-EA.409, July 21, 1959
S-EA.414, October 7, 1959.


R. W. MacLean,
Director,
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E. F. Power,
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