



TRADE AND COMMERCE
CANADA

STANDARDS BRANCH

S-EA.547

OTTAWA, May 7, 1962.

TYPE APPROVALSANGAMO TYPE "FWS" THERMAL DEMAND-ENERGY METERS

The apparatus specified and illustrated 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: Type "FWS" 2-Element Combination Thermal Demand-Energy Meters, manufactured by the Sangamo Company Limited, Leaside, Toronto 17, Ontario.

Rating of Apparatus:

Current Range (amperes)	0.12-7.5	1.2-75	2.5-150	2.5-200
Voltage Rating (volts)	115, 120, 230, 460, 480 and 575			
* Disc Constant K_h	1.2	7.2	14.4	14.4
Demand Scale (watts)	1500	1500	1500	1500
* Kilowatts Full Scale	1.5	15	30	45
# * Multiplier	1	10	20	30
Register Ratio	166-2/3	277-7/9	277-7/9	416-2/3
Test Period	32 minutes - all ratings			
Frequency	60 cycles - all ratings			
Register	4 circle clock type throughout.			

* Disc constants, kilowatts full scale, and multipliers given above are for the 115- and 120-volt ratings. For all other voltages, these values are increased by the voltage multiple.

Applies to both watt-hour and demand readings.

Description: This is a consolidation of the two ratings approved under S-EA.458 of June 8, 1960 with the addition of two lower current ratings.

The descriptive information given on the above circular applies to all ratings with two exceptions: (1) a high-capacity socket is not required for the two lowest current ratings; and (2) the temperature-compensating helix that was eliminated from the two high current ratings has been re-introduced and will now be found in all ratings.

E. F. Power

E. F. Power,
Chief, Electricity and Gas Division,
Standards Branch.

R. W. MacLean
R. W. MacLean,
Director,
Standards Branch.

Ref: A-846C

SANGAMO TYPE "PWS" THERMAL DEMAND-ENERGY METER



