

11110 2090

DEPARTMENT OF



TRADE AND COMMERCE
CANADA

SD-EA.321

STANDARDS DIVISION

OTTAWA.....November 4, 1957.....

TYPE APPROVAL

SANGAMO TYPES "CJA" AND "CJS" SINGLE-PHASE WATTHOUR METERS

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

Apparatus Approved: Types "CJA" and "CJS" Single-Phase Watthour Meters, manufactured by the Sangamo Company Limited, Leaside, Toronto 17, Ontario.

Rating of Apparatus:

Self-Contained Meters -

Normal Current Range ..	0.5-50 amps.*	0.75-100 amps.*#	2.0-200 amps.
Voltage	115 or 120 volts	230 or 240 volts	230 or 240 volts
Wire	2	3	3
Frequency	50-60 cycles	50-60 cycles	50-60 cycles
Kh	1.5	6.0	12.0

Transformer-Type Meters -

Normal Current Range ..	0.12-10 amps.	0.12-10 amps.	0.12-10 amps.
Voltage	115 or 120 volts	230 or 240 volts	230 or 240 volts
Wire	2	2	3
Frequency	50-60 cycles	50-60 cycles	50-60 cycles
Kh	0.3	0.6	0.6

* Previously approved for 60 cycles only under SD-EA.258 dated August 10, 1956. This present circular approves changes to original design.

Approval embraces use as temporary 2-wire meter as described under SD-EA.258.

Description: The types "CJA" and "CJS" meters approved herein are of the same general design as those approved and described in Circular SD-EA.258 except for the modifications indicated below. The modifications will be incorporated in all future production of these types.


The modifications consist of changes to the inductive and light-load adjustments. In the new construction the lag band is perforated in such a way that its resistance may be varied by notching or slotting the edge. This provides a wide range of adjustment for original calibration.

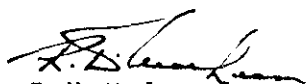
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The micrometer adjustment moves the U-shaped vane into, or out of, the air-gap and provides a range of about 5%. The light-load adjustment has also been slightly altered mechanically for ease of manufacture.

For potential connections on 2-wire, transformer-type A-base meters, refer to diagram in terminal cover.


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Ref: A-671

