



CANADA

DEPARTMENT OF TRADE AND COMMERCE
STANDARDS DIVISION

OTTAWA, April 30, 1952.

MODIFICATION OF TYPE APPROVALSANGAMO TYPE "WD-3" DUPLEX TOTALIZING THERMAL DEMAND METER

The modification to the apparatus specified and illustrated herein has 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 "WD-3" Duplex Totalizing Indicating Thermal Demand Meter, manufactured by the Sangamo Company Limited, Leaside, Toronto 17, Canada.

Rating of Apparatus:

Rated Amperes 5 (without current transformer), 10, 15, 25, 50 and 100
Voltage 115, 230, 460, 575
Frequency 25 and 60 cycles (the two portions may be supplied with
and totalize the same frequency or
different frequencies)

Modification: (Original approval NRC-131, September 26, 1939)

As previously constructed, the meter had a set of terminals arranged in a vertical row on each side of the base. On industrial loads where 25-cycle equipment is being changed over to 60 cycles, there are requirements for meters to totalize the 25- and 60-cycle loads. In many cases self-contained meters are called for, and the sizes of conductors involved impelled the manufacturer to change to the new arrangement which provides a service type base with eight current terminals along the bottom and four potential terminals on each side. Thus one of the two totalized circuits will connect to the four left-hand current terminals and the four potential terminals on the left side. The other will connect to the corresponding terminals on the right.

A further change concerns the method of obtaining higher capacities than 5 amperes. Each of the four elements has a built-in current transformer of appropriate capacity up to 100/5 ratio. The range of current capacities has thereby been extended beyond what was originally approved.

Scales will be 1000 or 1500 watts for use with multipliers. Full-scale kilowatts are marked on the nameplate.

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Ref: A-237b

SANGAMO MODIFIED TYPE "WD-3"
DUPIEX TOTALIZING INDICATING THERMAL DEMAND METER
(External Connection Wiring Diagram)

