

DEPARTMENT OF TRADE AND COMMERCE
ELECTRICITY AND GAS INSPECTION SERVICES

Ottawa, July 7th, 1934.

District Inspectors of Electricity & Gas:

Re- Approval of Lincoln Type VA.3 Demand Meter

Dear Sirs,-

I beg to advise you that the Lincoln Type VA.3 demand meter, manufactured by the Sangamo Company Limited, Toronto, Canada, has been approved by the National Research Council for use in Canada in the following capacities:

Volts - 115, 230, 460 and 575
Amperes - 5, 10, 15 and 25
Phase - 2 and 3 phase, 3 or 4 wire
Frequency- 25 to 60.

The type VA.3 meter is the same as the type WD.2 KVA meter so far as electrical characteristics are concerned with the exception that the type VA.3 includes the temperature compensating device which was recently approved as a separate item. The VA.3 element has been assembled in a much smaller case and the element is now mounted reversed in a similar manner to the element of the type WD.3.

The power factor switch is similar to that used in the 4L2 meter and is arranged so that by rotating the switch line voltage is connected to different taps of the primaries of the transformers and the angle between the voltage and currents supplying the meter element similarly shifted. In this way the meter is made to indicate the approximate volt-amperes over a limited range of power factor.

Yours truly,


Director.