DEPARTMENT OF

TRADE AND COMMERCE
CANADA

S-EA.453

STANDARDS BRANCH

OTTAWA, May 27, 1960.

TYPE APPROVAL

LANDIS & GYR TYPE "m" MAXIMUM DEMAND REGISTERS AND
TYPES "ml" AND "m3" CUMULATIVE MAXIMUM DEMAND REGISTERS

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 "m" Maximum Demand Registers and Types "ml" and "m3" Cumulative Maximum Demand Registers, manufactured by Landis & Gyr, Zug, Switzerland, and distributed in Canada by Landis & Gyr, Inc., 1010 Grou, Montreal 9, P.Q.

Rating of Apparatus:
For use on any suitable approved type of Landis & Gyr meter
Time Interval ..... 5, 10, 15, 20, 30 and 60 minutes
Electrical Supply for Timing Motors ..... 110 to 600 volts
25 to 60 cycles.

Description: Approval Circulars SD-EA.366 of July 7, 1958 and S-EA.420 of October 22, 1959 granted approval for the use of the type "m" maximum demand register in certain specific applications. This circular extends the scope of the approval to include its use with any suitable approved meter.

The maximum demand register is equipped with an ordinary integrating register of the clock or cyclometer type for recording the energy measured by the attached watthour meter, and a circular dial over which the maximum demand pointer is moved in an anti-clockwise direction by a small driving pointer. The driving pointer is actuated by the meter mechanism, suitable gearing being interposed and arrangements made for disconnecting the drive at regular intervals. Thus during each integrating period the driving pointer moves over a length of scale corresponding to the energy consumed. At the end of the integrating period it is disengaged from its drive and returned to zero by a spring; the maximum demand pointer itself, however, remains at the highest value reached.

The duration of the integrating period in the maximum demand meter is determined by a timing device which may either be built into the register or be installed separately. Five different systems are available. They vary

...../2
(with