



CANADA

DEPARTMENT OF TRADE AND COMMERCE

S-EA,636

STANDARDS BRANCH

OTTAWA, Sept. 16, 1964.

TYPE APPROVAL

LANDIS & GYR TYPE "MF8/VA/MF86" "TRIVECTOR"

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

Apparatus Approved: Type "MF8/VA/MF86" Trivector manufactured by Landis & Gyr, Zug, Switzerland or Landis & Gyr Ltd., North Acton London W. 3, England, and distributed in Canada by Landis & Gyr, Inc., 725 Decarie Blvd., Montreal 9, P. Q.

Rating of Apparatus:

Current Range.....	0.12-10 amperes
Voltage.....	115 volts
Phase.....	3
Wire.....	4 wire wye
Elements.....	3
Frequency.....	60 cycles
Power Factor Range.....	1.0 to zero (lagging)

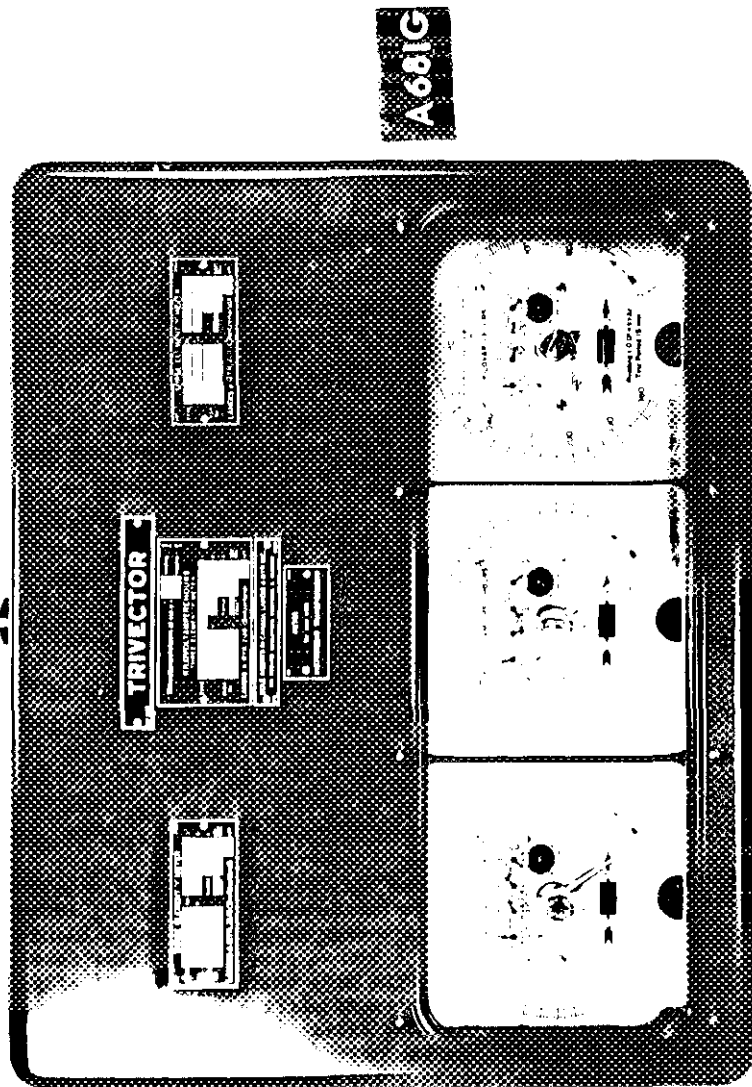
Description:

The type "MF8/VA/MF86" Trivector consists of a 3-element type 'MF8' watt-hour meter (circular S-EA,614 February 27, 1964) and a 3-element type 'MF86' reactive energy meter (circular S-EA,635, Sept. 16, 1964) at opposite ends of a common case. Each meter feeds through a take-off gear drive from its disc shaft into a centrally-located gear box made up of a system of differential gears and ratchets. The output of the gear box drives a register reading in kilovolt-amperehours. The two meters are connected together electrically so that the current coils are in series and the voltage coils are in parallel, the upper, middle, and lower elements being considered separately.

Its operation is identical to that of the type MF8/VA/FF86 2-element Trivector receiving approval under S-EA,551 of June 7, 1962 and is also intended for use with current and voltage transformers.



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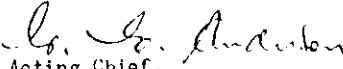
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TRIVECTOR

Description (cont'd) It will usually be equipped with maximum demand registers "M", "M2", etc. but this approval covers the use of any suitable, approved Landis & Gyr attachments.

As the usual methods of field testing these meters are not applicable, special instructions will be sent out from headquarters to the District Inspectors concerned. These meters may be encountered with French nameplates.


R. W. MacLean,
Director,
Standards Branch.


Acting Chief,
Electricity & Gas Division,
Standards Branch.

Ref: A-681G

