

TRADE AND COMMERCE
CANADA

SD-EA.236

STANDARDS DIVISION

OTTAWA, April 9, 1956.

MODIFICATION OF TYPE APPROVALFERRANTI TYPES "FMA" AND "FMS" WATTHOUR METERS

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

Apparatus Modified: Types "FMA" and "FMS" Single-Phase Watthour Meters, manufactured by Ferranti Electric Limited, Mount Dennis, Toronto 15, Ontario.


Rating of Apparatus:

Nominal Amperes 5, 10, 15, 25, 50
 Maximum Amperes 20, 40, 60, 100, 100
 Volts 115, 230, or 120, 240
 Wire 2 or 3 and 2/3
 Frequency 25 or 60

Modifications:

1. New type dial pointer.
2. Full load adjustment provided with slot for screw driver.
3. Knurled portion of jewel screw removed. Slot provided for adjusting height of jewel screw.
4. Low load adjustment revised.
5. Cotton sleeving eliminated on series coils above 10 amperes. Coils spaced by insulating flanges. Complete assembly varnish dipped.
6. Black paint eliminated from around edges of shunt laminations; lamination protected by clear varnish.
7. Cork-neoprene gaskets used on terminal blades of "S" type meter instead of felt gasket.
8. Bimetal power factor screw changed to Tophet C and copper.
9. Additional series coil supports placed under coil as well as on top.
10. Improved painting of magnet assemblies.
11. Gasket cement changed from shellac to EC847.
12. Stippling operation of Rotor disc discontinued, heat planished only.

These modifications make the Types "FMA" and "FMS" essentially the same in construction as the Types "FMXA" and "FMXS".


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