

TRADE AND COMMERCE
CANADA

STANDARDS DIVISION

OTTAWA..... June 3, 1955.

TYPE APPROVALFERRANTI TYPES "FMXA" AND "FMXS" WATTHOUR METERS

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

Apparatus Approved: Types "FMXA" and "FMXS" Single-Phase Watthour Meters, manufactured by Ferranti Electric Limited, Mount Dennis, Toronto 15, Ontario.

Rating of Apparatus:

Normal Range 0.75 - 100 amperes
Voltage 230 or 240 volts
Wire 3
Frequency 60 cycles
K_h 6

Description: The types "FMXA" and "FMXS" watthour meters are modifications of the present types "FMA" and "FMS". The 'starting watts' of the meter has been improved and the range increased. This has been achieved by better mechanical balance of the rotor and by decreasing the length of the anti-creep slots. Several changes to component parts have been incorporated in these meters which in no way change their performance characteristics from the present types "FMA" and "FMS". The changes to component parts are as follows:-

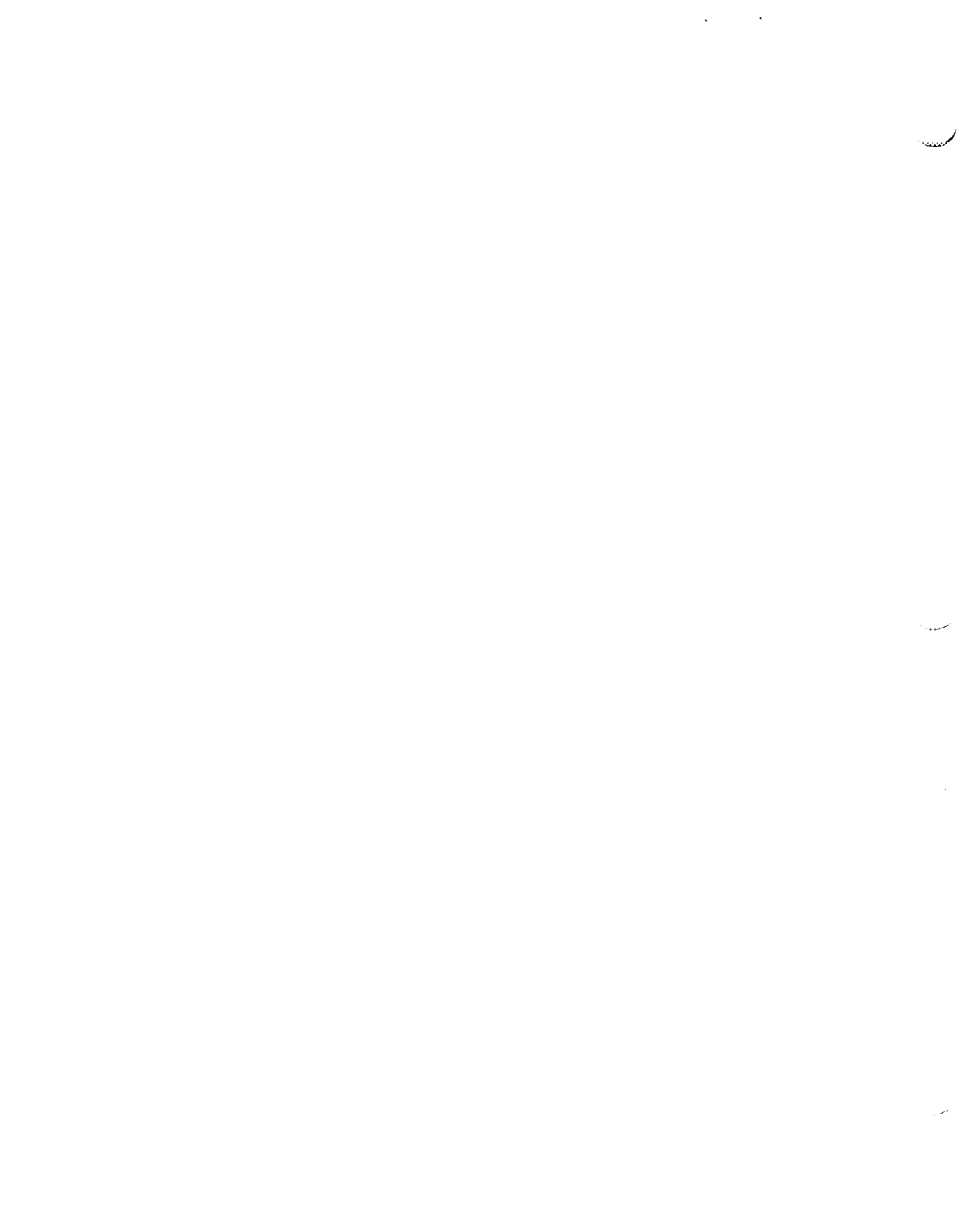
1. New nameplate - black printing on white background.
2. New type dial pointer.
3. Full-load adjustment provided with slot for screw driver.
4. Knurled portion of jewel screw removed. Slot provided for adjusting height of jewel screw.
5. Locking screw and low-load plate discontinued, as locking provided by spring washer under adjustment bush.
6. Cotton sleeving eliminated on series coils. Coils spaced by insulating flanges. Complete assembly varnish-dipped.
7. Black paint eliminated from around edges of shunt laminations. Laminations protected by clear varnish.
8. Cork-neoprene gaskets used on terminal blades of "S"-type meter instead of felt gaskets.

Approval covers use of the meter with either clock or cyclometer dials. All registers must incorporate a test dial.

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FERRANTI TYPE "FMXS" SINGLE-PHASE WATTHOUR METER

