

TRADE AND COMMERCE
CANADA

SD-EA.105

STANDARDS DIVISION

OTTAWA.....May 7, 1953.

TYPE APPROVALCANADIAN WESTINGHOUSE TYPE "UP" CURRENT TRANSFORMERS

The apparatus specified and illustrated herein has been duly approved by the Standards Division under the provisions of The Electricity Inspection Act, Chapter 22, 1928, as amended, and may be admitted to verification in Canada.

Apparatus Approved: Type "UP" Current Transformers, manufactured by the Canadian Westinghouse Company Limited, Hamilton, Ontario.

Rating of Apparatus:

Primary Current	1000, 1200, 1500, 2000, 2500, 3000, 4000, 5000 amperes
Secondary Current	5 amperes
Accuracy Classification	0.6B2.0
Rated Voltage	5 KV, 8.7 KV, 15 KV
Wire	2
Frequency	25 - 60 cycles
Style	Dry Indoor.

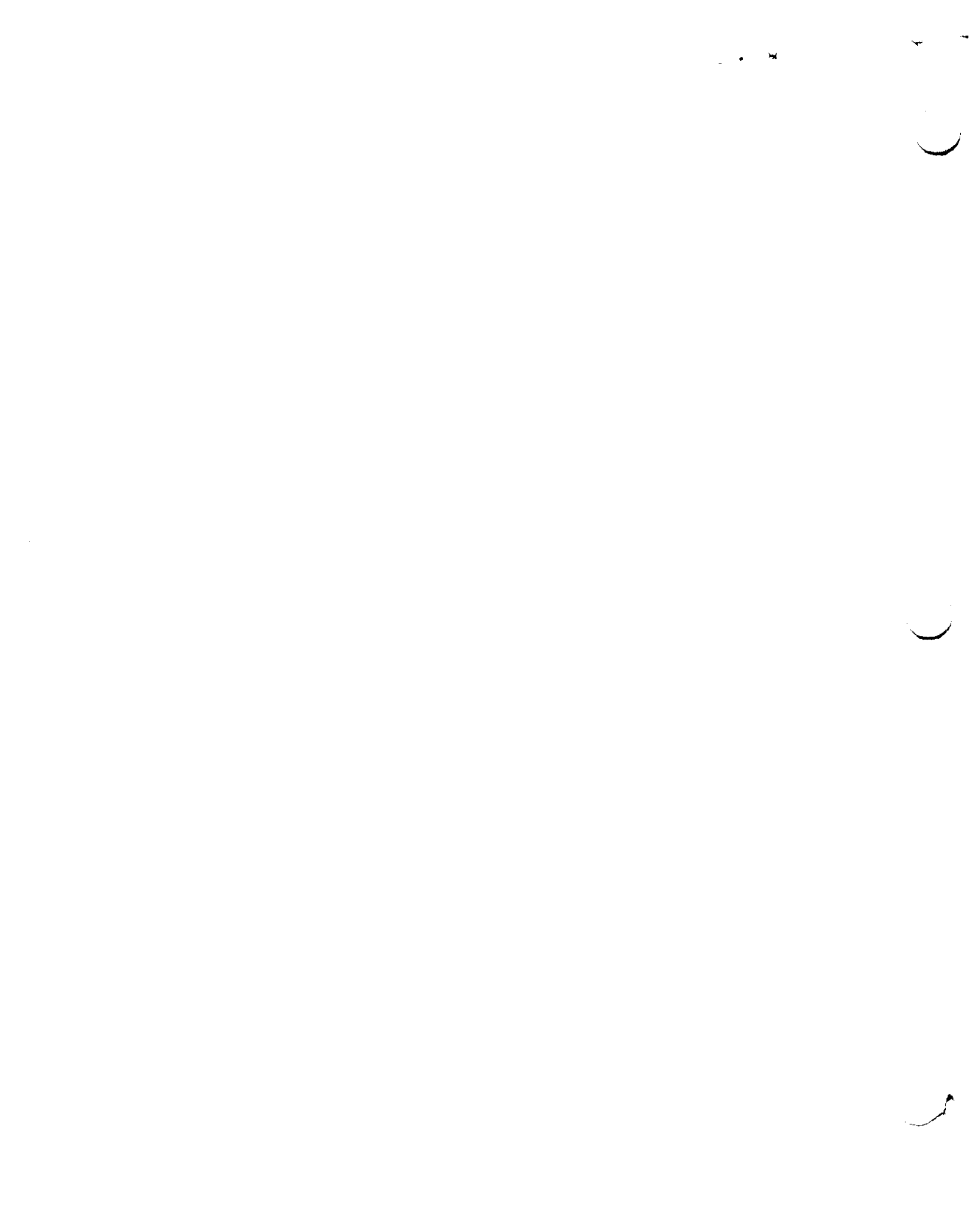
Description: The type "UP" current transformer is designed primarily for indoor metering. The primary consists of a round copper bar with fabricated copper terminals mounted in a one-piece porcelain tube. For ratings 2000 amperes and above, the multiconductor or interleaved type of terminal is used consisting of two or more copper terminal plates. The terminals in the same voltage class have the same drilling dimensions, making units of various ratings interchangeable. The secondary for the 1000 and 1200 ampere ratings has two coils mounted on the upper and lower legs of the core, while all other ratings have four coils distributed over the four legs of the core to improve accuracy under all current conditions. The primary insulation is a one-piece porcelain tube. The secondary coils are wound on Micarta tubes and are impregnated with moisture-resistant compound. High-permeability Hipersil core steel is used in these transformers. There is a short-circuiting device located at the secondary terminals and this may be arranged to automatically short-circuit the secondary leads when the transparent plastic terminal cover is removed. Three voltage ratings are provided, namely 5 KV, 8.7 KV and 15 KV, and this rating is indicated in the type designation by the appropriate number suffix.

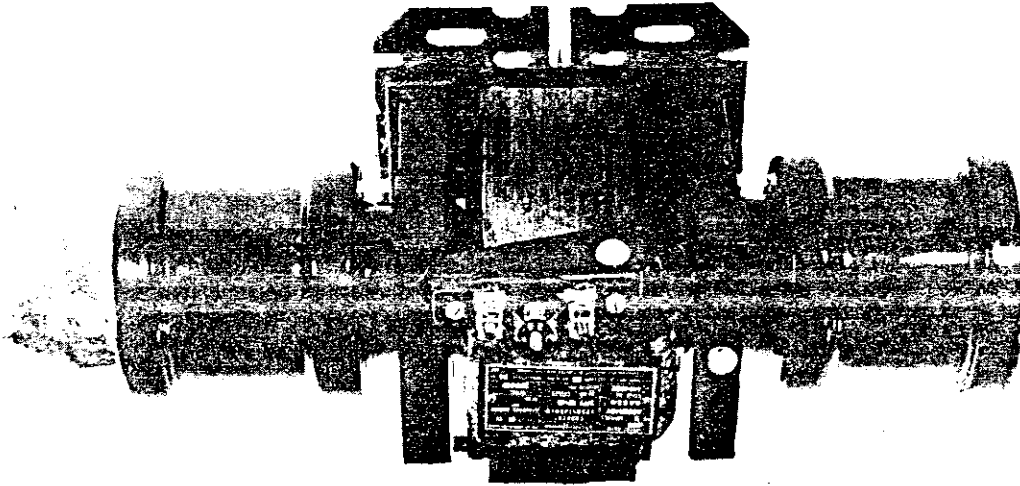
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Ref: A-311





CANADIAN WESTINGHOUSE TYPE "UP-15" CURRENT TRANSFORMER

SD-EA.105

