DEPARTMENT OF

TRADE AND COMMERCE
CANADA

SD-EA.139

STANDARDS DIVISION

OTTAWA, January 11, 1954.

TYPE APPROVAL

CANADIAN WESTINGHOUSE TYPE "UO" CURRENT TRANSFORMER

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 "UO" Current Transformer, manufactured by the Canadian Westinghouse Company Limited, Hamilton, Ontario.

Rating of Apparatus:

Primary Current	1000, 1200, 1500, 2000, 3000, 4000 5000, 6000 amperes *
Secondary Current	5 amperes
Rated Burden	50VA at 0.5 p.f.**
Accuracy Classification	ASA 0.3B0.1, 0.3B0.5, 0.3B2.0 except the 1000/5 and 1200/5 which are 0.6B2.0
Rated Voltage	5KV, 8.7KV, 15KV
Frequency	25 - 60 cycles
Style	Dry Outdoor

* The 6000/5 ratio supplied in 5KV rating only; the 5000/5 ratio supplied in 5KV and 8.7KV rating only.

** Shown on nameplate.

Description: The type "UO" current transformers are designed for outdoor service, and they are considered by the manufacturer to be particularly adapted to outdoor sub-station installations where a straight-through primary bar design is often a structural advantage.

The core of the transformer is of silicon steel with stacked laminations. The assembly of core and secondary coils is mounted around the primary bar and totally enclosed in a light-weight cast alloy case. The secondary leads are brought out through a $\frac{3}{4}$" conduit connection at one side of the case. The primary consists of a round copper bar insulated by a heavy Micarta tube. Heavy corrugated porcelain bushings with solder-sealed clamping nuts enclose the ends of the primary bar. One or more fish-tail copper terminal plates provide electrical connection for the primary leads. Both case and bushings are filled with an insulating plastic and all openings are sealed by cork-neoprene gaskets. Polarity is indicated by a white porcelain knob screwed to the case for the primary, and a white porcelain button attached to one of the leads for the secondary.

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Ref: A-341

CANADIAN WESTINGHOUSE TYPE "UO-15" CURRENT TRANSFORMER