

TRADE AND COMMERCE  
CANADA

## STANDARDS DIVISION

OTTAWA, March 11, 1954.

TYPE APPROVALCANADIAN WESTINGHOUSE TYPE "CTO" CURRENT TRANSFORMER

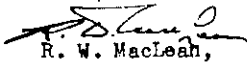
The apparatus specified and illustrated herein has been duly approved by the Standards Division under the provisions of the Electricity Inspection Act, Chapter 94, R.S. 1952, and may be admitted to verification in Canada.

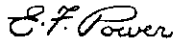
Apparatus Approved: Type "CTO" Current Transformer, manufactured by the Canadian Westinghouse Company Limited, Hamilton, Ontario.

## Rating of Apparatus:

Primary Current ..... 10, 15, 20, 25, 30, 40, 50, 75, 100, 150, 200,  
300, 400, 600, 800 amperes  
Secondary Current ..... 5 amperes  
Voltage Ratings ..... 5KV, 8.7KV, 15KV  
Accuracy Ratings ..... ASA 0.3B0.1, 0.3B0.2, 0.3B0.5, 0.6B2.0  
Wire ..... 2  
Frequency ..... 25 to 60 cycles  
Style ..... Dry Outdoor

Description: The type "CTO" current transformers are designed for outdoor service. They are of the wound-type design with Type C Hipersil steel cores. The primary and secondary coils are separate. The core and coils are fitted securely into the electrically-welded steel case and the core is held tightly against the walls of the case to facilitate the rapid dissipation of heat. The cases, of welded steel, are designed to take care of expansion and contraction of the insulating plastic filler so that normal cycles of heating and cooling do not overstress the walls. All openings in the case are sealed with cork-neoprene gaskets held in place by retaining rings or recessed bases. The primary terminals are brought out through a heavy porcelain bushing. It has wide flanges and deep creepage surfaces to prevent flashover due to unusual operating conditions. Connections are made to a strap on each side of the porcelain. Each strap has a 9/16" diameter hole and a slot of this width arranged to provide 1" to 1 $\frac{1}{4}$ " bolt spacing for standard connectors. The secondary leads are brought to a moulded terminal block with clamp-type connectors enclosed in a weatherproof box. This terminal box is arranged for conduit connections and can be rotated to any one of four positions. Stud-type secondary terminals are available on transformers in the 5KV class. A short-circuiting device is provided in those transformers fitted with the terminal box. Polarity is indicated by a white spot on the primary bushing, and "X<sub>1</sub>" and "X<sub>2</sub>" is moulded on the secondary terminal block.

  
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Ref: A-346

CANADIAN WESTINGHOUSE TYPE "CTO" CURRENT TRANSFORMER

